flexicare®

TOTAL QUALITY - TOTAL CARE

AIRWAY MANAGEMENT

ANAESTHESIA BREATHING SYSTEMS

ANAESTHESIA COMPONENTS

CRITICAL CARE

NEONATAL BREATHING SYSTEMS

BREATHING FILTERS

OXYGEN & AEROSOL THERAPY

RESUSCITATION

SUCTION

UROLOGY & CONTINENCE CARE

OSTOMY CARE

ENEMA TIPS

Product Catalogue

Issue 7

Flexicare distributes to over 80 countries worldwide through a network of distributors and it's own subsidiaries.

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Flexicare Online visit our website for all the latest news, events, educational resources and information on our full product range.

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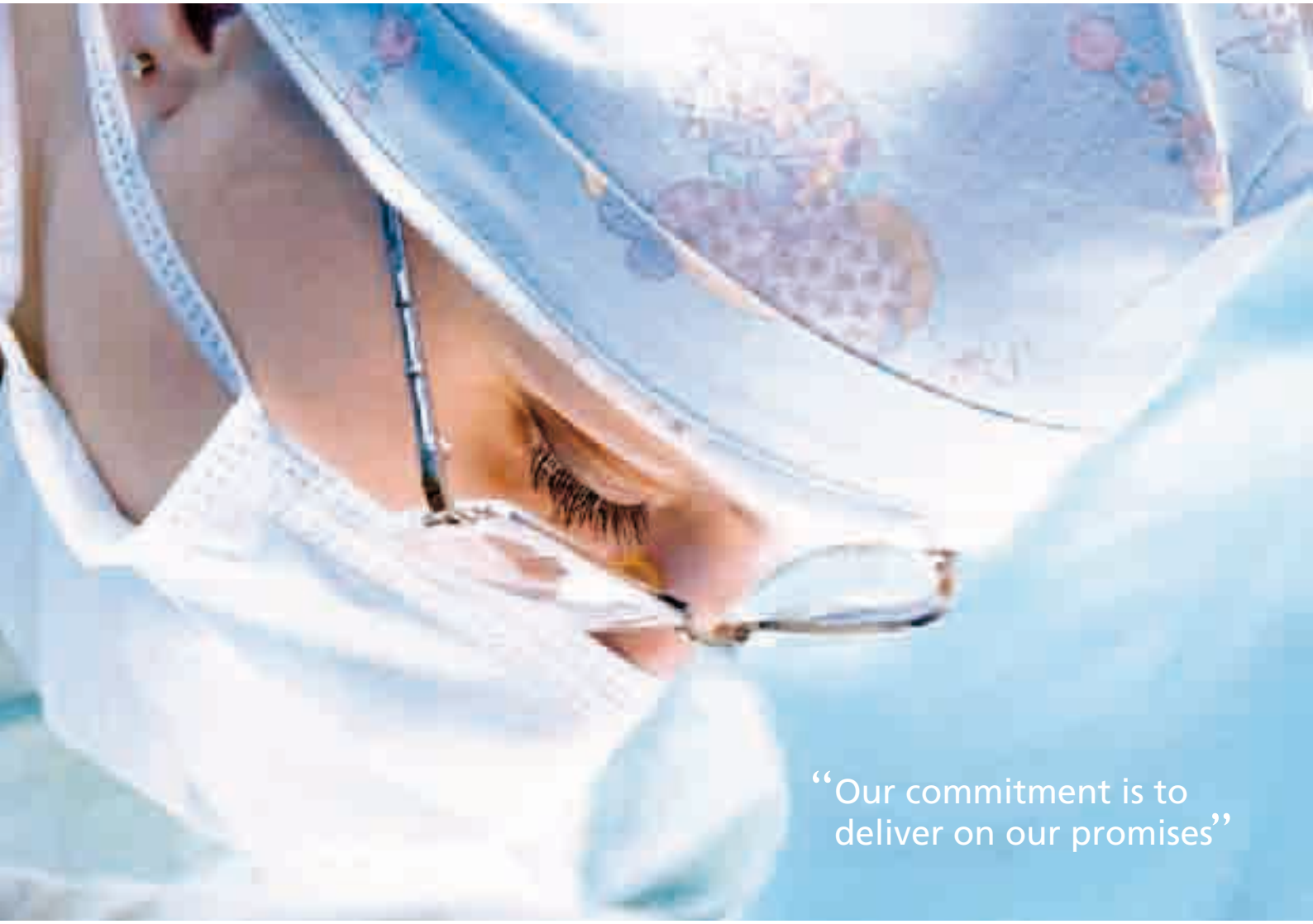
With over 35 years of experience in design, development and manufacturing of medical devices, Flexicare has developed a world class reputation.



International Distributors Flexicare now distributes to over 80 countries worldwide through a network of distributors and it's own subsidiaries. Flexicare has offices across Europe, the Middle East, India, Far East and the USA which are able to respond to customers' needs, providing a fast and efficient service.

Customer Care Our Customer Care Department is available to respond to your enquiries and provide online information regarding our product range and to discuss your requirements. Our experienced sales team can offer advice and educational support within the rapidly changing hospital environment.

Training We are dedicated to supporting Hospitals in terms of educational support and training of all medical staff with understanding of the principles underlying our product range. We work closely with a number of University Teaching Hospitals and Clinicians to develop full training packages.

Accreditation Flexicare is an ISO 13485 Registered Manufacturer of sterile medical devices and surgical products with CE mark accreditation.

FDA Registration No: 8021995

Design and Manufacture With our own in house Design and Development Department, we are able to work closely with our technical engineers to ensure that new products are designed and manufactured to meet the required specifications.

Dedicated to
supporting hospitals
providing comprehensive training

Providing you with
advice and support
within the hospital environment

AIRWAY MANAGEMENT

Laryngeal Mask Airways, Laryngoscopes, Endotracheal Tubes & Airways

A comprehensive range of airway management devices including Laryngeal Mask Airways, Laryngoscopes, Endotracheal Tubes, Nasopharyngeal Airways and Guedel Airways.

Laryngeal Mask Airways

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LarySeal - Laryngeal Mask Airways

The LarySeal range of Laryngeal Mask Airways have the following common benefits, which are incorporated into the Clear, Blue, Multiple, MRI and Flexi.

LarySeal™

Reduced risk of blockage

The deep design of the patient port reduces the risk of blockages by soft tissues. The open patient port allows for unrestricted use of an endoscope.

Full glottis view

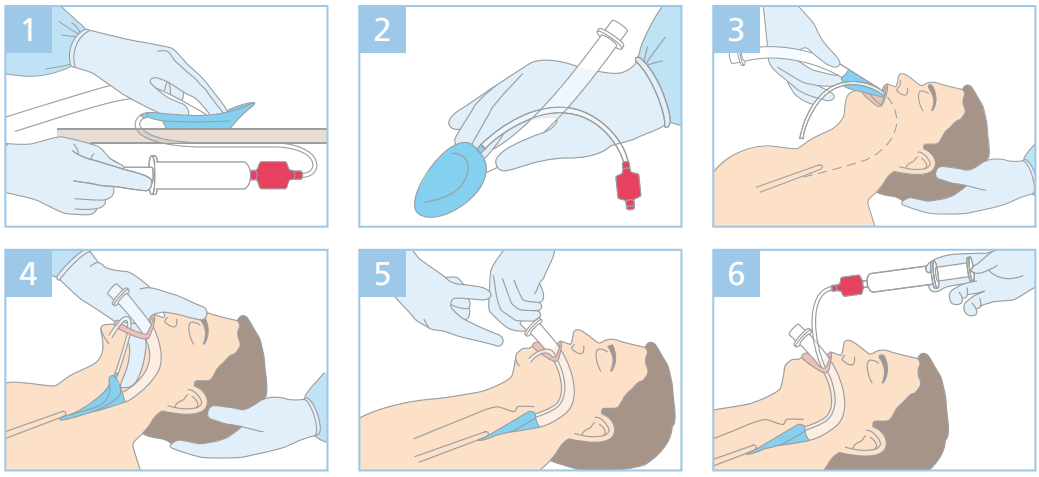
The supraglottic airway device allows for a clear view of the glottis with the use of an endoscope.

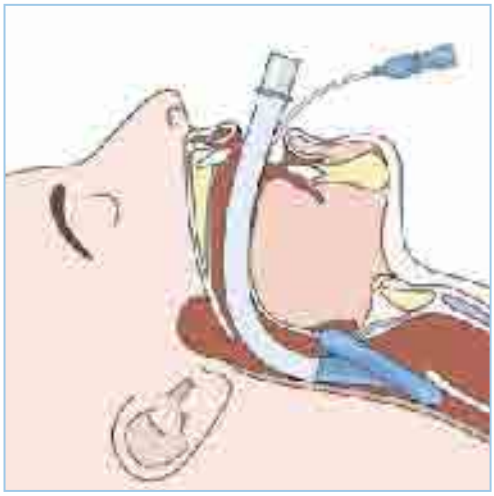
Printed info on the main tube

Guidance for appropriate air volume and size is printed on the main tube, allowing for quick and easy reference.

Clearly labelled packaging

Instructions for use are clearly shown on the packaging in both text and diagrammatic form.





LarySeal in position

The diagram shows LarySeal in position and demonstrates how the soft material of the cuff forms itself to the oropharyngeal area.

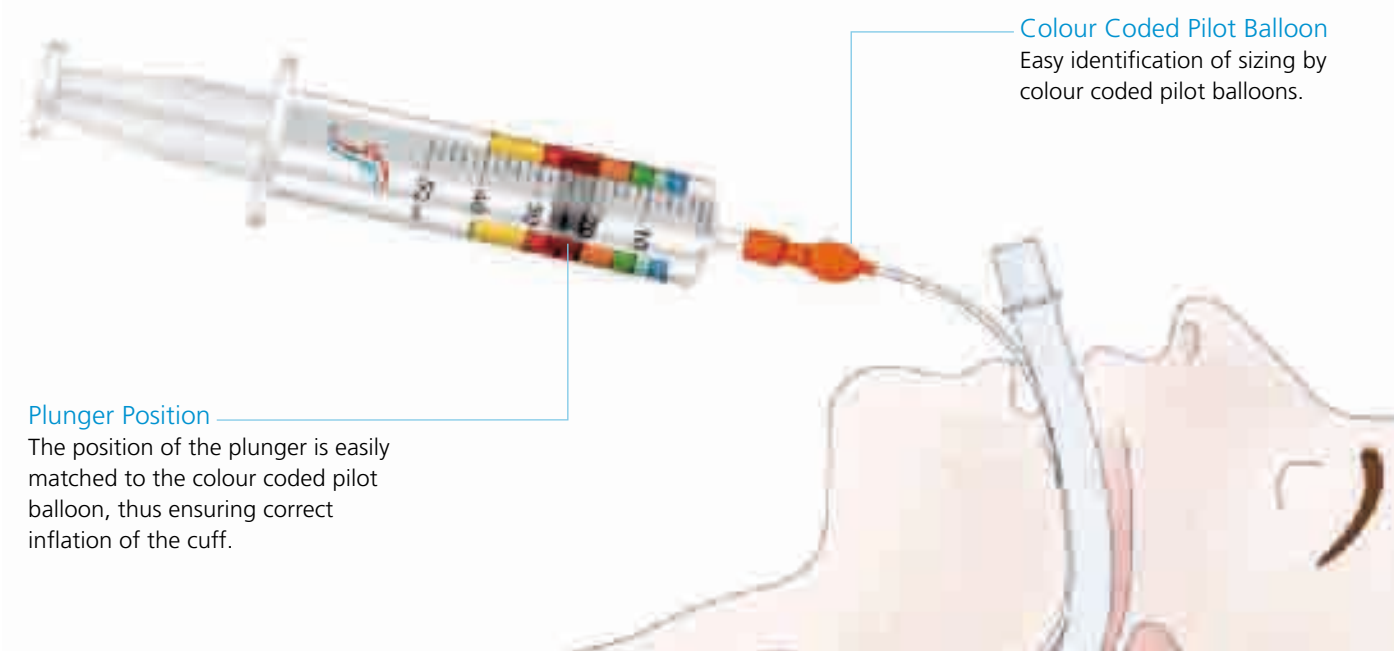
Colour coded LarySeal Cuff Inflator

The LarySeal Cuff Inflator has clearly marked increments, each one specifically colour coded to match the size colour coding of the LarySeal pilot balloon. Thus enabling easier and quicker identification of the correct measure for inflating the cuff of the LarySeal.

LarySeal - Colour Coding

The LarySeal range has a colour coded pilot balloon which corresponds to the size of the laryngeal Mask Airway, providing a clear visual indication of the size, therefore facilitating quicker selection.

LarySeal™



Colour Coded Pilot Balloon
Easy identification of sizing by colour coded pilot balloons.

Plunger Position
The position of the plunger is easily matched to the colour coded pilot balloon, thus ensuring correct inflation of the cuff.

The LarySeal Cuff Inflator has been specifically designed to only be used with the LarySeal range of Laryngeal Mask Airways, indicating the maximum amount of air by individual colour coded sizes.

Step 1:

Identify the colour coded section that matches the colour of the LarySeal pilot balloon.

Step 2:

Extract the plunger to the bottom mark of the appropriate colour coded increment. Ensure the LarySeal cuff is deflated.

Step 3:

Connect the inflator to the LarySeal pilot balloon and depress the plunger to inflate the cuff to the correct pressure.

038-94-001	LarySeal Colour Coded Cuff Inflator	10

THE LARYSEAL PILOT BALLOON COLOUR CODING SYSTEM

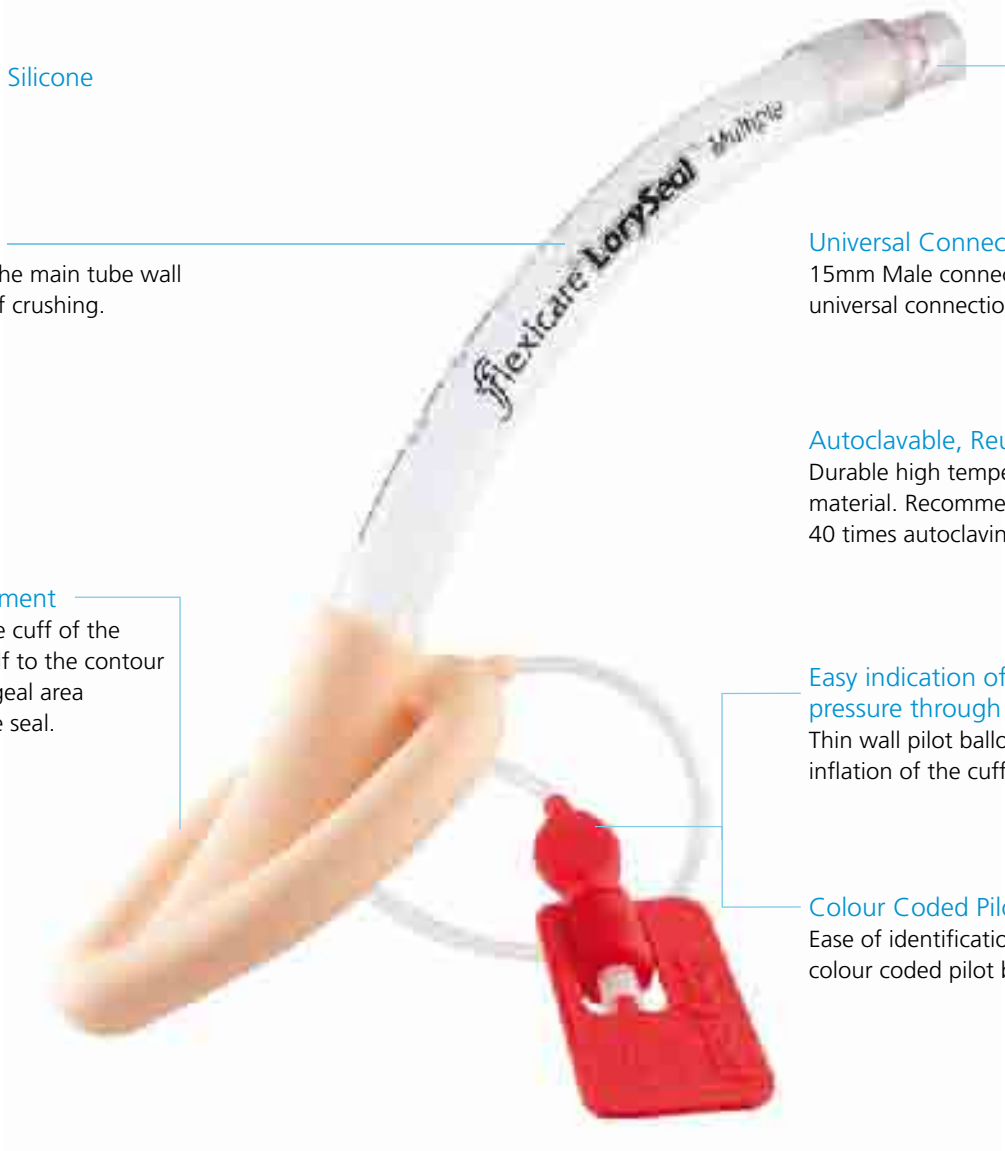
White Pilot Balloon -	1	Air <4ml/60cm H_2O	Size 1, <5kg
Blue Pilot Balloon -	1.5	Air <7ml/60cm H_2O	Size 1.5, 5kg - 10kg
Light Green Pilot Balloon -	2	Air <10ml/60cm H_2O	Size 2, 10kg - 20kg
Green Pilot Balloon -	25	Air <14ml/60cm H_2O	Size 2.5, 20kg - 30kg
Orange Pilot Balloon -	3	Air <20ml/60cm H_2O	Size 3, 30kg - 50kg
Red Pilot Balloon -	4	Air <30ml/60cm H_2O	Size 4, 50kg - 70kg
Yellow Pilot Balloon -	5	Air <40ml/60cm H_2O	Size 5, 70kg - 100kg

Our silicone reusable laryngeal mask airways are designed to be sterilized and used up to a recommended 40 times.
The LarySeal Multiple cuff adapts to the contour of the oropharyngeal area to provide a secure seal.

LarySeal™ Multiple

- Medical Grade Silicone
- Autoclavable

Crush Resistant
The thickness of the main tube wall reduces the risk of crushing.



Universal Connection
15mm Male connector provides a universal connection.

Autoclavable, Reusable
Durable high temperature resistant material. Recommended for up to 40 times autoclaving.

Secure Seal for Airway Management
Silicone allows the cuff of the mask to form itself to the contour of the oropharyngeal area providing a secure seal.

Easy indication of the cuff pressure through pilot balloon
Thin wall pilot balloon indicates the inflation of the cuff.

Colour Coded Pilot Balloon
Ease of identification of sizing by colour coded pilot balloons.

038-94-110	LarySeal Multiple Size 1	1	<5kg	10
038-94-115	LarySeal Multiple Size 1.5	1.5	5kg - 10kg	10
038-94-120	LarySeal Multiple Size 2	2	10kg - 20kg	10
038-94-125	LarySeal Multiple Size 2.5	25	20kg - 30kg	10
038-94-130	LarySeal Multiple Size 3	3	30kg - 50kg	10
038-94-140	LarySeal Multiple Size 4	4	50kg - 70kg	10
038-94-150	LarySeal Multiple Size 5	5	70kg - 100kg	10

LarySeal Blue

The first silicone single patient use laryngeal mask airway introduced to provide the benefits of the well accepted reusable LarySeal with the benefits of single use, protecting against cross contamination.

LarySeal™ Blue

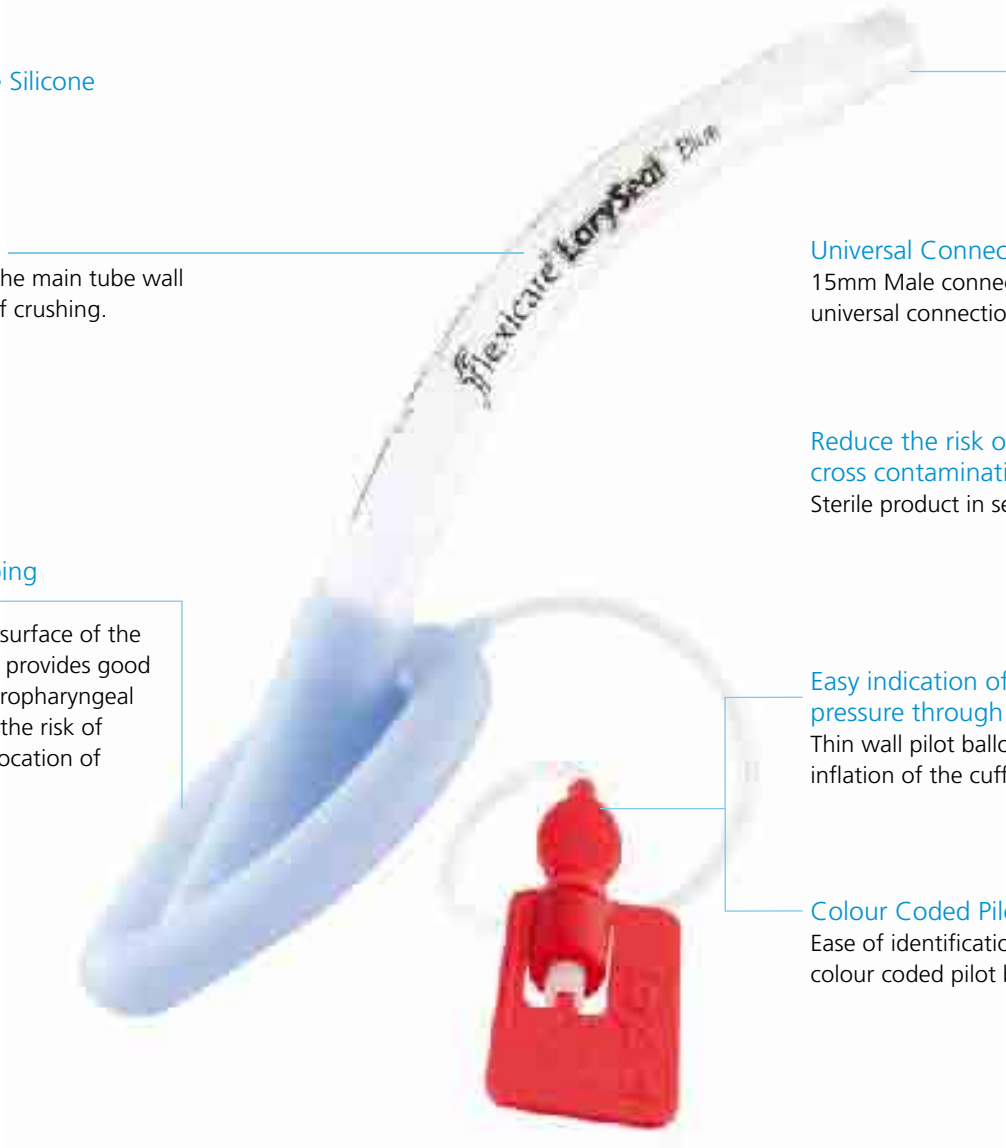
- Medical Grade Silicone
- Single Use
- Cost Effective

Crush Resistant
The thickness of the main tube wall reduces the risk of crushing.

Universal Connection
15mm Male connector provides a universal connection.

Reduce the risk of cross contamination
Sterile product in secure packaging.

Less risk of slipping or dislocation
The silicone matt surface of the LarySeal Blue cuff provides good adhesion to the oropharyngeal area and reduces the risk of movement or dislocation of the cuff.



Easy indication of the cuff pressure through pilot balloon
Thin wall pilot balloon indicates the inflation of the cuff.

Colour Coded Pilot Balloon
Ease of identification of sizing by colour coded pilot balloons.

038-94-210	LarySeal Blue Size 1	1	<5kg	10
038-94-215	LarySeal Blue Size 1.5	1.5	5kg - 10kg	10
038-94-220	LarySeal Blue Size 2	2	10kg - 20kg	10
038-94-225	LarySeal Blue Size 2.5	25	20kg - 30kg	10
038-94-230	LarySeal Blue Size 3	3	30kg - 50kg	10
038-94-240	LarySeal Blue Size 4	4	50kg - 70kg	10
038-94-250	LarySeal Blue Size 5	5	70kg - 100kg	10

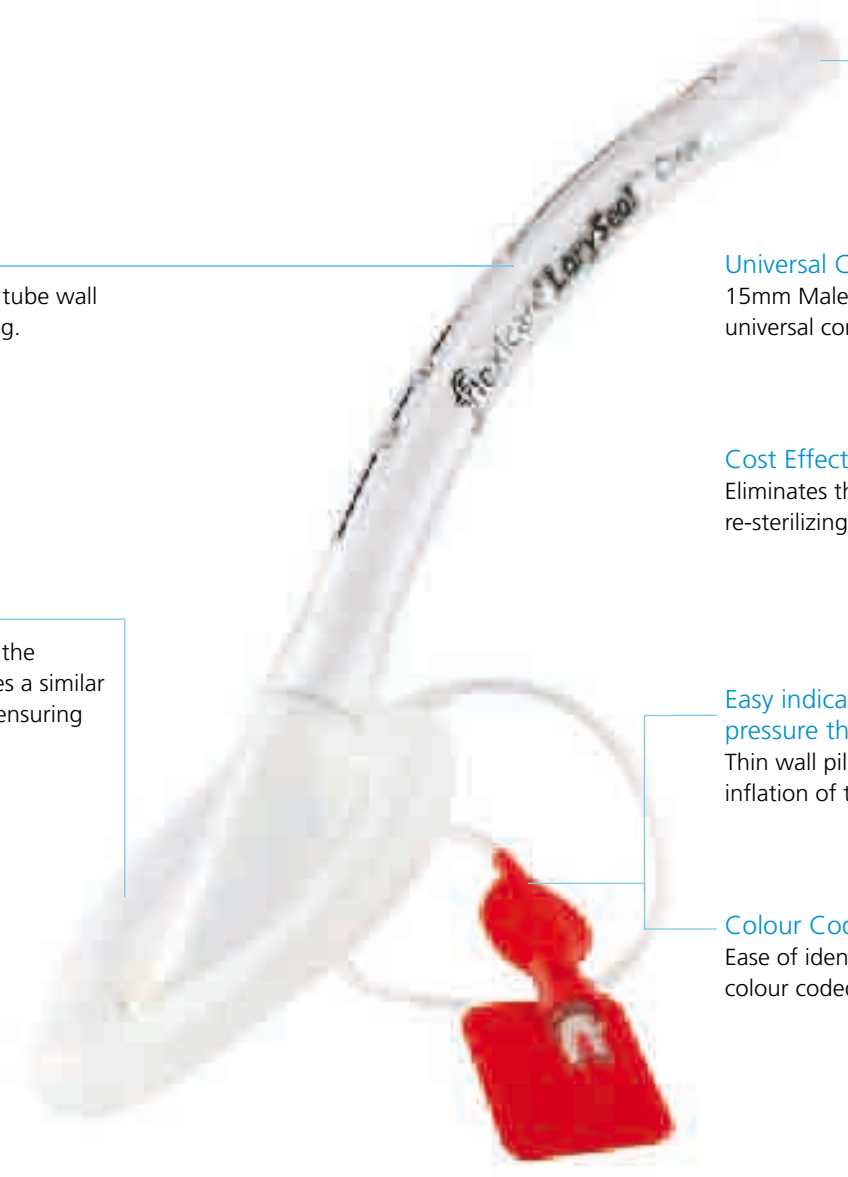
LarySeal Clear

LarySeal Clear is a single patient use PVC laryngeal mask airway, engineered using extra soft matt textured materials to replicate as closely as possible that of silicone, providing Anaesthetists the same feel as LarySeal Blue and LarySeal Multiple.

LarySeal™ Clear

- Medical Grade PVC
- Single Use
- Cost Effective

Crush Resistant
The thickness of the main tube wall reduces the risk of crushing.



Universal Connection
15mm Male connector provides a universal connection.

Cost Effective
Eliminates the need for cleaning and re-sterilizing, saving time and cost.

Less risk of slipping or dislocation
The satin surface finish of the LarySeal Clear cuff provides a similar texture to silicone, whilst ensuring ease of insertion.

Easy indication of the cuff pressure through pilot balloon
Thin wall pilot balloon indicates the inflation of the cuff.

Colour Coded Pilot Balloon
Ease of identification of sizing by colour coded pilot balloons.

038-94-310	LarySeal Clear Size 1	1	<5kg	10
038-94-315	LarySeal Clear Size 1.5	1.5	5kg - 10kg	10
038-94-320	LarySeal Clear Size 2	2	10kg - 20kg	10
038-94-325	LarySeal Clear Size 2.5	25	20kg - 30kg	10
038-94-330	LarySeal Clear Size 3	3	30kg - 50kg	10
038-94-340	LarySeal Clear Size 4	4	50kg - 70kg	10
038-94-350	LarySeal Clear Size 5	5	70kg - 100kg	10

LarySeal MRI

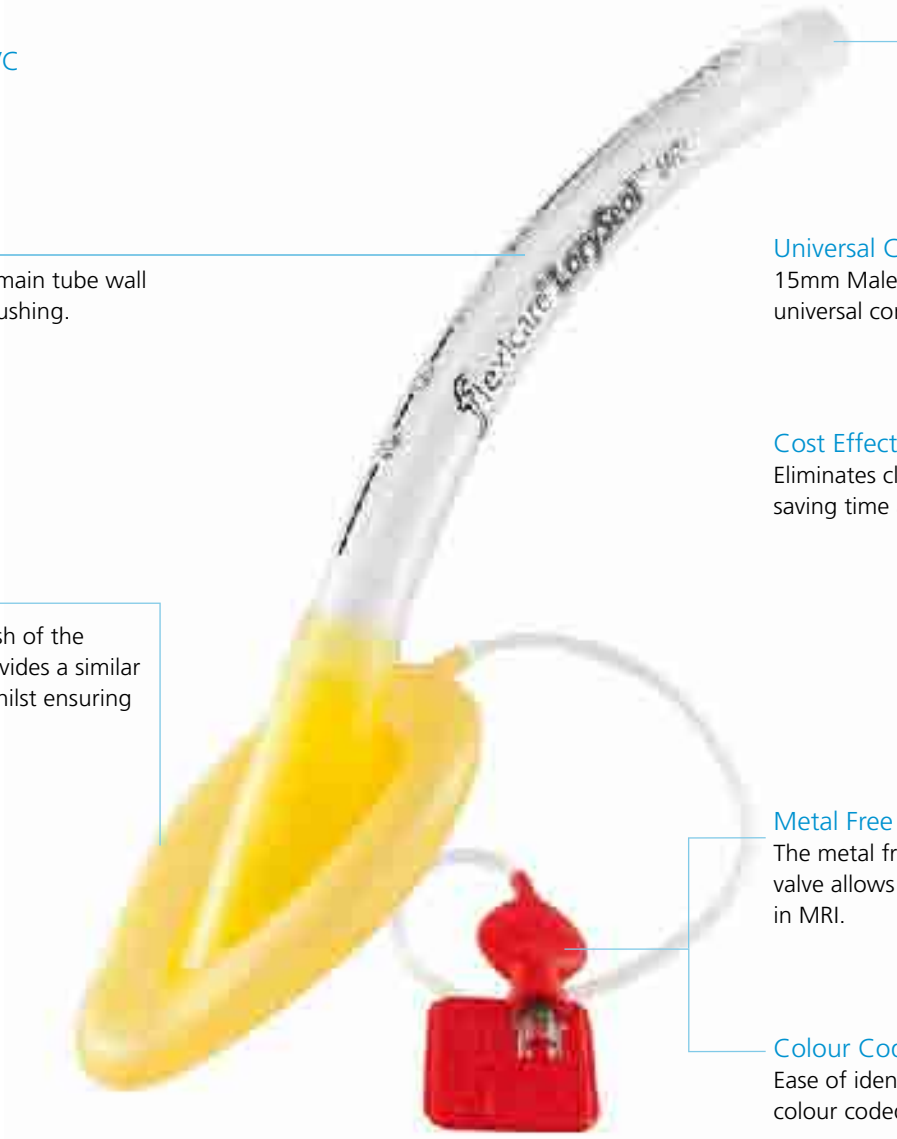
LarySeal MRI provides the same benefits of LarySeal Clear with the added benefit of a complete metal free inflation valve, allowing LarySeal MRI to be used within any MRI suite safely without distorting the images.

LarySeal™ MRI

- Medical Grade PVC
- Single Use
- Cost Effective
- MRI Compatible

Crush Resistant
The thickness of the main tube wall reduces the risk of crushing.

Universal Connection
15mm Male connector provides a universal connection.



Cost Effective
Eliminates cleaning and re-sterilizing, saving time and cost.

Less risk of slipping or dislocation
The satin surface finish of the LarySeal MRI cuff provides a similar texture to silicone, whilst ensuring ease of insertion.

Metal Free Inflation Valve
The metal free construction of the valve allows the LarySeal to be used in MRI.

Colour Coded Pilot Balloon
Ease of identification of sizing by colour coded pilot balloons.

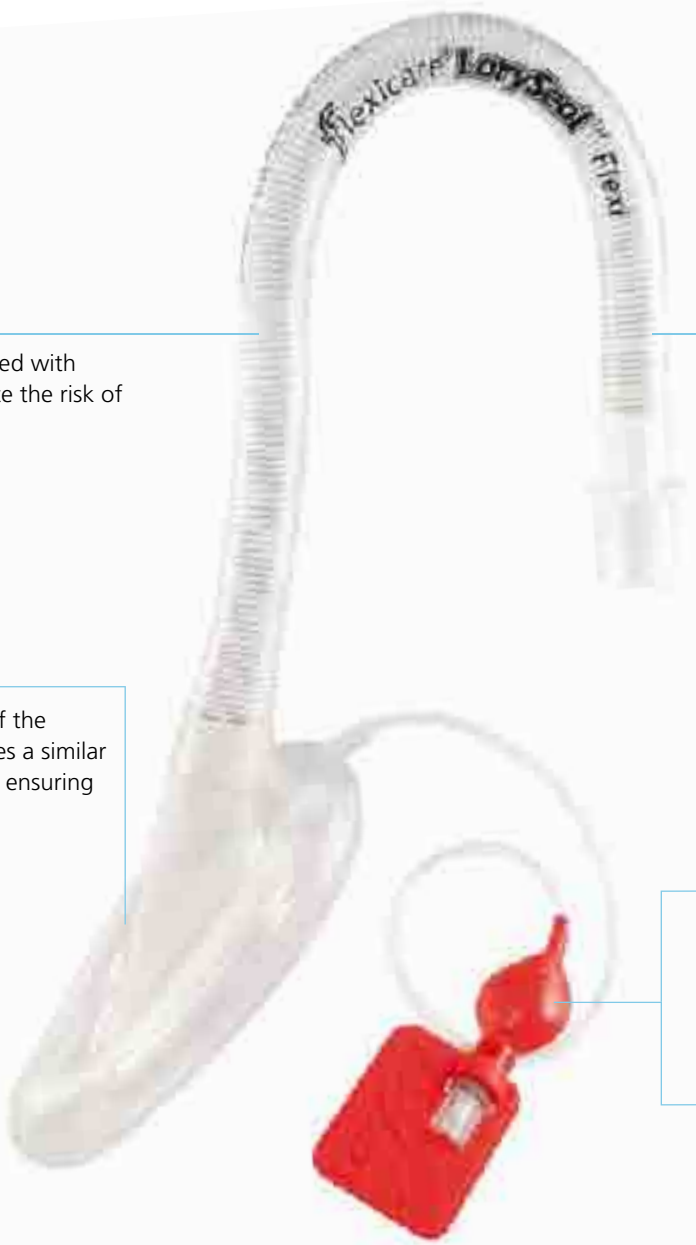
038-94-410	LarySeal MRI Size 1	1	<5kg	10
038-94-415	LarySeal MRI Size 1.5	1.5	5kg - 10kg	10
038-94-420	LarySeal MRI Size 2	2	10kg - 20kg	10
038-94-425	LarySeal MRI Size 2.5	25	20kg - 30kg	10
038-94-430	LarySeal MRI Size 3	3	30kg - 50kg	10
038-94-440	LarySeal MRI Size 4	4	50kg - 70kg	10
038-94-450	LarySeal MRI Size 5	5	70kg - 100kg	10

LarySeal Flexi

LarySeal Flexi is specially designed for use in ophthalmic, ENT, dental and other head and neck surgeries. The construction of the main tube allows it to be positioned well away from the surgical field, improving surgical access without compromising the seal. The LarySeal Flexi main tube is reinforced to avoid kinking and eliminate the risk of airway tube occlusion.

LarySeal™ Flexi

- Medical Grade PVC
- Single Use
- Cost Effective
- Flexible Main Tube



Reinforced
The main tube is reinforced with kink-free wire to eliminate the risk of airway tube occlusion.

Flexible Main Tube
The flexible main tube allows it to be positioned away from the surgical field, improving surgical access.

Universal Connection
15mm Male connector provides a universal connection.

Less risk of slipping or dislocation
The satin surface finish of the LarySeal Flexi cuff provides a similar texture to silicone, whilst ensuring ease of insertion.

Easy indication of the cuff pressure through pilot balloon
Thin wall pilot balloon indicates the inflation of the cuff.

Colour Coded Pilot Balloon
Ease of identification of sizing by colour coded pilot balloons.

038-94-520	LarySeal Flexi Size 2	2	10kg - 20kg	10
038-94-525	LarySeal Flexi Size 2.5	25	20kg - 30kg	10
038-94-530	LarySeal Flexi Size 3	3	30kg - 50kg	10
038-94-540	LarySeal Flexi Size 4	4	50kg - 70kg	10
038-94-550	LarySeal Flexi Size 5	5	70kg - 100kg	10

LarySeal Plus

LarySeal Plus offers the convenience of combining a single patient use laryngeal mask airway, lubricating jelly and the LarySeal cuff inflator in one single pack for quick and effortless insertion.

LarySeal™ Plus

Wide Choice

The all inclusive insertion pack is available with either LarySeal Blue or LarySeal Clear providing greater flexibility of clinical preference.

LarySeal Inflator

The colour coded cuff inflator corresponds with the colour coded pilot balloon which allows for quick identification of the maximum recommended fill volume.

Easy Open Lubricator

Each LarySeal Plus pack contains a single ease open packet of a water based lubricant to provide a generous coating to facilitate insertion.

Colour Coded Pilot Balloon

Provides a visual confirmation of the size of the LarySeal as well as corresponding to the cuff Inflator.

LarySeal Blue Plus silicone single patient use airway

038-94-210P	LarySeal Blue Plus, lubricant & inflator - Size 1	<5kg	1	10
038-94-215P	LarySeal Blue Plus, lubricant & inflator - Size 1.5	5kg - 10kg	1.5	10
038-94-220P	LarySeal Blue Plus, lubricant & inflator - Size 2	10kg - 20kg	2	10
038-94-225P	LarySeal Blue Plus, lubricant & inflator - Size 2.5	20kg - 30kg	25	10
038-94-230P	LarySeal Blue Plus, lubricant & inflator - Size 3	30kg - 50kg	3	10
038-94-240P	LarySeal Blue Plus, lubricant & inflator - Size 4	50kg - 70kg	4	10
038-94-250P	LarySeal Blue Plus, lubricant & inflator - Size 5	70kg - 100kg	5	10

LarySeal Clear Plus PVC single patient use airway

038-94-310P	LarySeal Clear Plus, lubricant & inflator - Size 1	<5kg	1	10
038-94-315P	LarySeal Clear Plus, lubricant & inflator - Size 1.5	5kg - 10kg	1.5	10
038-94-320P	LarySeal Clear Plus, lubricant & inflator - Size 2	10kg - 20kg	2	10
038-94-325P	LarySeal Clear Plus, lubricant & inflator - Size 2.5	20kg - 30kg	25	10
038-94-330P	LarySeal Clear Plus, lubricant & inflator - Size 3	30kg - 50kg	3	10
038-94-340P	LarySeal Clear Plus, lubricant & inflator - Size 4	50kg - 70kg	4	10
038-94-350P	LarySeal Clear Plus, lubricant & inflator - Size 5	70kg - 100kg	5	10

Laryngoscopes - Introduction

First introduced by Sir Robert Macintosh and Sir Ivan Magill in the early 1940's, the Laryngoscope has evolved since it's inception. It followed the creation of the Endotracheal tube, Laryngoscopes permit access to push the tongue back and provide light to allow visualisation of the vocal chords for accurate placement of the airway.

The Classification of Laryngoscopes

Laryngoscopes can be primarily classified into two categories, defined by their light source.

1. Standard Laryngoscopes

The Standard Laryngoscope, also referred to as a Conventional Laryngoscope, has a light bulb incorporated into the blade, approximately 1/3 of the distance from the tip. The light bulb screws into position and is powered via an integral line that transfers the power from the source. The power source is located within the handle in the form of conventional batteries.

2. Fibre Optic Laryngoscopes

The major difference between the Standard Laryngoscope and the Fibre Optic Laryngoscope is the location of the bulb. In the Fibre Optic System, the bulb is housed within the handle with the light transmitted via an optic bundle.

The main advantage that this system presents is that it transmits light without transferring heat and thus eliminates the risk of burns within the patients oral cavity. There is also the added advantage of one-piece autoclaving.

Disposable Blades

Due to the recent issues involving CJD (prions) where decontamination of the blades could not be ensured, there remains a risk of cross infection. As a measure to combat the potential risk of cross contamination there has been a move towards Disposable Blades. Recent studies have also shown that laryngoscope handles are a major source of cross contamination, with few being sterilised as often as needed.[1]

The BriteBlade and BriteBlade Pro are disposable fibre optic blades designed for single patient use which eliminates the risk of cross contamination. They have a unique hinge design that prevents the folded blade from touching the handle. It has been demonstrated that single patient use Blades are cost effective when in comparison to re-usable blades.

Difficult Intubation

Flexicare also provide Laryngoscopes for difficult intubations. The Flexible blade system clears the tongue further than is possible with the conventional designed laryngoscopes to allow positive identification of the airway.

[1] D. Williams, J. Dingley, C. Jones, N. Berry
'Contamination of laryngoscope handles' Journal of hospital infection (2010) 74, 123-128

Fibre Optic Reusable Blades

Flexicare has a full range of reusable fibre optic laryngoscope blades and handles conforming to EN ISO 7376. Using the highest grades of fibre optics provides maximum cold light transfer allowing clinicians to gain an optimum view of the larynx. All reusable fibre optic blades and handles are fully autoclavable and are supported by a lifetime guarantee.[1]

Fibre Optic Macintosh Blades

The curved design of the Macintosh Blade allows the tip to be guided to the epiglottic vallecula for direct visualization of the glottis whilst maintaining the tongue to the side for intubation.

040-831	Fibre Optic Macintosh Blade Number 1	1
040-832	Fibre Optic Macintosh Blade Number 2	1
040-833	Fibre Optic Macintosh Blade Number 3	1
040-834	Fibre Optic Macintosh Blade Number 4	1

Fibre Optic Flexible Blades

040-835	Flexible Fibre Optic Blade Number 3	1
040-836	Flexible Fibre Optic Blade Number 4	1

Fibre Optic Miller Blades

The straight design with a shallow curve of the Miller Blade tip provides greater control in patients whose epiglottis is larger, as in paediatrics. The infant and neonatal miller blades are also available with a delivery port to provide supplementary oxygen during laryngoscopy.

040-840	Fibre Optic Oxy Miller Number 00	1
040-849	Fibre Optic Miller Number 00	1
040-841	Fibre Optic Oxy Miller Number 0	1
040-850	Fibre Optic Miller Number 0	1
040-851	Fibre Optic Miller Number 1	1
040-852	Fibre Optic Miller Number 2	1
040-853	Fibre Optic Miller Number 3	1
040-854	Fibre Optic Miller Number 4	1

[1] For details of the lifetime guarantee please visit our website

IntegraBlade Fibre Optic Laryngoscope Blades

The integrated fibre optic within the body of the IntegraBlade makes the structure seamless, therefore reducing the risks of contamination or foreign bodies becoming trapped.

IntegraBlade™

Increased Brightness

The Flexicare IntegraBlade range are designed with an integrated wide profile fibre optic bundle to provide maximum light transfer.

Rounded Tip

The blade features an atraumatic curved tip which reduces the risk of tissue damage.

Fully Autoclavable

The 100% stainless steel construction of the blade provides long life of the blade even during extensive autoclaving.

040-911	Integra Fibre Optic Macintosh Blade - No 1	1
040-912	Integra Fibre Optic Macintosh Blade - No 2	1
040-913	Integra Fibre Optic Macintosh Blade - No 3	1
040-914	Integra Fibre Optic Macintosh Blade - No 4	1

Speciality Blades

Flexicare has a range of fibre optic reusable speciality blades designed to provide clinicians with complete freedom of choice for specific patient intubation requirements.

Robert Shaw Fibre Optic Blades

Designed for neonatal and Infant use, Robert Shaw blades feature a gentle shallow curvature of the bade to lift the epiglottis indirectly in a similar way to the Macintosh Blades.

040-930	Robert Shaw Fibre Optic Blade No 0	1
040-931	Robert Shaw Fibre Optic Blade No 1	1

Seward Fibre Optic Blades

Designed originally as an infant blade for asphyxia neonatorum, the Seward Blade is also available for paediatrics.

040-951	Seward Fibre Optic Blade No 1	1
040-952	Seward Fibre Optic Blade No 2	1

Wisconsin Fibre Optic Blades

Designed for neonatal and infant use, the Wisconsin Blade provides an improved view than a standard Miller Blade, providing greater control of the epiglottis with a subtly wider distal end.

040-920	Wisconsin Fibre Optic Blade No 0	1
040-921	Wisconsin Fibre Optic Blade No 1	1
040-922	Wisconsin Fibre Optic Blade No 2	1
040-923	Wisconsin Fibre Optic Blade No 3	1
040-924	Wisconsin Fibre Optic Blade No 4	1

Single Patient Use Metal Fibre Optic Laryngoscopes

The BriteBlade Pro is a 100% Metal Disposable Fibre Optic Blade designed for single patient use which eliminates risk of cross contamination from both blade and handle. It has a unique hinge design that prevents the folded blade from touching the handle.

BriteBlade Pro™

Enhanced Vision
Bright, focused high intensity illumination

Reduced Risk of Damaging Patient Teeth
Low profile design on both Mac & Miller laryngoscope blades.

Eliminate Risk of Cross-Contamination
Blade stop design in folded position prevents the blade from touching the handle.[1]

Fits all Green Specification Handles

Confidence & Control
100% metal construction matches the proven re-usable blade characteristics.

Eliminate Risk of Cross-Infection
Single-use individually packed pre-sterilized blade.

Wide Choice at a Low Cost
Full range of Mac & Miller Blades with a lower overall cost than re-usable purchase, maintenance, cleaning and sterilization costs.

BriteBlade Pro shares the same great features and benefits as the BriteBlade but in a metal blade form, providing the same feel as a re-usable blade and the user with greater confidence.

040-711	BriteBlade Pro Fibre Optic Macintosh Blade - Size 1	10
040-712	BriteBlade Pro Fibre Optic Macintosh Blade - Size 2	10
040-713	BriteBlade Pro Fibre Optic Macintosh Blade - Size 3	10
040-714	BriteBlade Pro Fibre Optic Macintosh Blade - Size 4	10
040-720N	BriteBlade Pro Fibre Optic Miller Blade - Size 00	10
040-720	BriteBlade Pro Fibre Optic Miller Blade - Size 0	10
040-721	BriteBlade Pro Fibre Optic Miller Blade - Size 1	10
040-722	BriteBlade Pro Fibre Optic Miller Blade - Size 2	10
040-723	BriteBlade Pro Fibre Optic Miller Blade - Size 3	10
040-724	BriteBlade Pro Fibre Optic Miller Blade - Size 4	10
040-730	BriteBlade Pro Fibre Optic Oxy Miller Blade - Size 0	10
040-731	BriteBlade Pro Fibre Optic Oxy Miller Blade - Size 00	10
040-733	BriteBlade Pro Fibre Optic Macintosh Blade Flexible -Size 3	10
040-734	BriteBlade Pro Fibre Optic Macintosh Blade Flexible -Size 4	10

Single Patient Use Fibre Optic Laryngoscopes

BriteBlade Evo is a fibre optic hybrid metal laryngoscope blade, with a reinforced nylon base locking system designed for single patient use to fit all green specification handles.

BriteBlade Evo™

Reduced Risk of Soft Tissues Injury
Rounded tip and edges provides gentle touch on patients soft tissues.

Positive Locking System
The triple sprung ball bearing design creates a secure and strong fit to all green spec handles

Enhanced Vision
Bright focused high intensity illumination with a true fibre optic shrouded bundle.

Reduced Risk of Damaging Patient Teeth
Low profile design on both Mac & Miller blades.

Eliminates Risk of Cross-Infection
Single use individual sterile pack.

Wide Choice
Full range of Mac & Miller Blades with a lower overall cost than reusable purchase, maintenance, cleaning and sterilization costs.

040-751	BriteBlade Evo Macintosh - Size 1	10
040-752	BriteBlade Evo Macintosh - Size 2	10
040-753	BriteBlade Evo Macintosh - Size 3	10
040-754	BriteBlade Evo Macintosh - Size 4	10
040-761	BriteBlade Evo Miller - Size 1	10
040-762	BriteBlade Evo Miller - Size 2	10
040-763	BriteBlade Evo Miller - Size 3	10
040-764	BriteBlade Evo Miller - Size 4	10

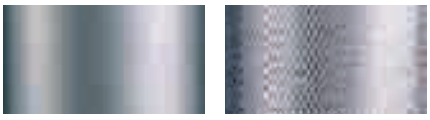
Fibre Optic Re-Usable Laryngoscope Handles & Box Sets

All handles are Bipolar, allowing the Laryngoscope to function irrespective of the way the batteries are inserted. The handles can be opened from either end in order to remove swelled batteries with ease.

Mini | Mini | Standard | Standard | Stubby | Stubby | Fibre Optic Laryngoscope Box Set

Available in Two Surface Finishes

The range of Laryngoscope handles are available in a smooth or knurled finish.



Smooth | Knurled

Box Sets

A range of box sets are available, with combinations of 3 or 4 blades.

Fibre Optic Handles

040-811	Standard Size Fibre Optic Handle - Knurled Finish	1
040-821	Standard Size Fibre Optic Handle - Satin Finish	1
040-812	Mini Size Fibre Optic Handle - Knurled Finish	1
040-822	Mini Size Fibre Optic Handle - Satin Finish	1
040-823	Stubby Size Fibre Optic Handle - Knurled Finish	1
040-824	Stubby Size Fibre Optic Handle - Satin Finish	1

Halogen Bulbs

041-601	Halogen Bulb (for use with Fibre Optic Handles)	1
041-606	Halogen Bulb (for use with Fibre Optic Handles)	6

Fibre Optic Box Sets

040-860	Standard Size Handle - Knurled, with 3 Macintosh Blades No's 1, 2 and 3	1
040-861	Standard Size Handle - Knurled, with 4 Macintosh Blades No's 1, 2, 3 and 4	1
040-862	Standard Size Handle - Knurled, with 3 Macintosh Blades No's 2, 3 and 4	1

LED Handles

Flexicare has introduced a range of handles which are capable of delivering a high illumination and are compatible with all fibre optic blades conforming to EN ISO 7376. BritePro Max uses the latest in LED technology to provide an electroluminescence which is a strong white light allowing clinicians to have a clearer view of the larynx and a truer view of tissue viability or lesions.

BritePro Max™

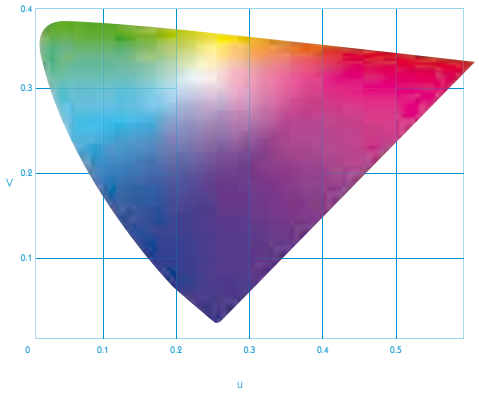
Energy Efficient
Delivers over 25,000 hours of light without the need to replace the bulb.

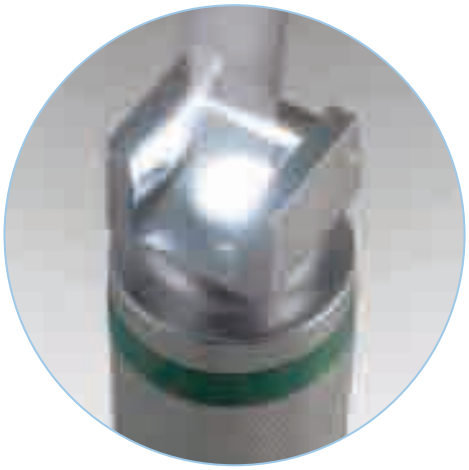
Green System Identification
BritePro Max has the universally accepted colour identification green band to signify that the handle will fit fibre optic blade systems.

Compatible with all Fibre Optic Blades
BritePro Max is compatible with all fibre optic blades conforming to ISO EN 7376 includes, the BriteBlade Pro, EVO and reusable fibre optic blades.

Lower Battery Cost
The energy efficiency of LED technology uses less power from the batteries than conventional halogen or krypton bulbs therefore reducing the need for frequent battery replacement.

True White Light





BritePro Max achieves an optimum white light within the wavelength range by utilizing a UV diode with a yellow phosphor semiconductor. The visible light achieved enables clinicians to view the oropharyngeal space clearly without other colour temperatures within the spectrum detracting from visualization of the vocal chords during intubation.

The typical life span of the LED is in excess of 25,000 hours with the added benefit of maintaining its light output and efficiency throughout its term. As an energy efficient technology, BritePro Max will use less power from the batteries in comparison to halogen or krypton bulbs providing up to 5,000 intubations per set of battery cells without loss of its high light output.

040-813	BritePro Max LED Handle	1

Single Patient Use Fibre Optic Laryngoscope Handle

BritePro is a single patient use fibre optic handle system which comprises of a disposable handle and a reusable light source utilizing the latest in LED technology providing clinicians with a complete system.

BritePro Handle™

Single Patient Use
Clearly marked to ensure that the handle is only used as intended.

Comfort Grip
The main body of the handle incorporates a green textured grip which provides excellent control and feel even when wearing gloves. Green colour coding clearly identifies the handle as fibre optic.

Eliminate Risk of Cross-Contamination
Single use individually packed pre-sterilized handle.

Rotating Metal Hinge
A freely rotating metal hinge allows the blade to be inserted easily whilst providing a positive locking mechanism when moved into the closed position.

Fully Encased Handle
BritePro features a completely unique encased mechanism which prevents any possibility of cross contamination. Incorporated within the encased handle is a freely moving light intensifier which maximises the transfer of light from the LightSource through to the tip of the fibre optic blade.

BritePro Handle

040-791	BritePro Handle	20

To be used with lightsource only

Light Source

040-792	LightSource	1

BritePro Handle & Light Source

040-794	BritePro Handle and Light Source	20
040-795	BritePro Handle and Light Source with Battery	20

BritePro Handle & Blade

040-771	BritePro Handle and BriteBlade Evo Macintosh Size 1	10
040-772	BritePro Handle and BriteBlade Evo Macintosh Size 2	10
040-773	BritePro Handle and BriteBlade Evo Macintosh Size 3	10
040-774	BritePro Handle and BriteBlade Evo Macintosh Size 4	10
040-776	BritePro Handle and BriteBlade Evo Miller Size 1	10
040-777	BritePro Handle and BriteBlade Evo Miller Size 2	10
040-778	BritePro Handle and BriteBlade Evo Miller Size 3	10
040-779	BritePro Handle and BriteBlade Evo Miller Size 4	10

To be used with lightsource only

Britepro Light Source

LightSource is the reusable element of the BritePro system which contains the lithium battery and LED.

LightSource™

The latest technology has been used to develop an efficient LED whilst providing a white light within the colour spectrum ensuring that there is no bias between blue or red light which could make visualization of the vocal chords harder.

The benefits of this system is that there is no contamination as the light source is protected. The LED lightsource provides cool illumination for up to 10 hours and is energy efficient giving long lasting power, reducing the cost of expensive battery replacement while also being more environmentally friendly.

- Long life Battery
- Packed with Battery
- Reusable Light Source
- LED Light Output at over 1000 LUX at the tip of the blade

There are five options available when purchasing BritePro.

LightSource: Single unit complete with battery.

BritePro Handle: Comes packaged in a box of 20.

BritePro Handle & Blade: BritePro handle with a choice of blade.

BritePro Handle & LightSource: BritePro Handle and LightSource with optional battery.

BritePro Complete: Contains all elements required to use the BritePro immediately, pre-assembled for testing in the packaging.

BritePro Complete

Our packaging design enables the user to test the pre-assembled Britepro without removing it from the packaging.

Front

Back

Testing Lightsource

BritePro Complete

040-701	BritePro Complete with BriteBlade Evo Macintosh Size 1	10
040-702	BritePro Complete with BriteBlade Evo Macintosh Size 2	10
040-703	BritePro Complete with BriteBlade Evo Macintosh Size 3	10
040-704	BritePro Complete with BriteBlade Evo Macintosh Size 4	10
040-706	BritePro Complete with BriteBlade Evo Miller Size 1	10
040-707	BritePro Complete with BriteBlade Evo Miller Size 2	10
040-708	BritePro Complete with BriteBlade Evo Miller Size 3	10
040-709	BritePro Complete with BriteBlade Evo Miller Size 4	10

Standard Laryngoscope Blades

The standard range of laryngoscopes are manufactured from high quality stainless steel supported by a lifetime guarantee[1]. The light bulb in the blade can easily be changed and the distance from the bulb to the blade tip will protect the patient from accidental burns, whilst providing a high level of illumination.

High Quality Stainless Steal • Fully Autoclavable Blades • Full Range of Blade Sizes • Conforming to EN ISO 7376

Standard Macintosh Blades

040-110	Standard Macintosh Blade No 1	1
040-111	Standard Macintosh Blade No 2	1
040-112	Standard Macintosh Blade No 3	1
040-113	Standard Macintosh Blade No 4	1

Standard Miller Blades

040-127	Standard Oxy Miller No 00	1
040-129	Standard Miller No 00	1
040-128	Standard Oxy Miller No 0	1
040-130	Standard Miller No 0	1
040-131	Standard Miller No 1	1
040-132	Standard Miller No 2	1
040-133	Standard Miller No 3	1
040-134	Standard Miller No 4	1

[1] For details of the lifetime guarantee please visit our website

Speciality Blades

Flexicare has a range of conventional reusable speciality blades designed to provide clinicians with complete freedom of choice for specific patient intubation requirements.

Robert Shaw Conventional Blades

Designed for neonatal and Infant use, Robert Shaw blades feature a gentle shallow curvature of the blade to lift the epiglottis indirectly in a similar way to the Macintosh Blades.

040-230	Robert Shaw Conventional Blade No 0	1
040-231	Robert Shaw Conventional Blade No 1	1

Seward Conventional Blades

Designed originally as an infant blade for asphyxia neonatorum, Seward Blades are also available for paediatrics.

040-261	Seward Conventional Blade No 1	1
040-262	Seward Conventional Blade No 2	1

Wisconsin Conventional Blades

Designed for neonatal and infant use, Wisconsin Blades provide an improved view than a standard Miller Blade and also greater control of the epiglottis with the subtly wider distal end of the blade.

040-250	Wisconsin Conventional Blade No 0	1
040-251	Wisconsin Conventional Blade No 1	1
040-252	Wisconsin Conventional Blade No 3	1
040-253	Wisconsin Conventional Blade No 4	1
040-254	Wisconsin Conventional Blade No 5	1

Disposable Metal Blades & Handles

Flexicare offers a standard illumination disposable metal blade providing all the benefits in a single patient use form, negating the need for costly sterilisation.

True Macintosh Curve
Provides maximum view.

Halogen bulb
The distance from the bulb to the blade tip will protect the patient from accidental burns, whilst providing a high level of illumination.

Cost Effective
The blade can be re-used for re-intubation of the same patient therefore eliminating the need for a new blade.

Visible Markings
Each blade is clearly marked as Single Patient Use, avoiding the possibility of confusion with Reusable Blades.

Low Profile Design
Reduces the risk of accidental pressure or damage to the upper teeth.

Reduce the Risk of Cross Contamination
The standard bulb disposable metal laryngoscope range is designed and manufactured for Single Patient Use.

The disposable Laryngoscopes are an economical option for routine intubations, saving time and labour by requiring no sterilization, disinfecting or maintenance. Flexicare's disposable laryngoscopes help to eliminate the concern of possible cross-contamination from hepatitis, AIDS and other infectious diseases.

Standard Disposable Metal Blades are available in all Macintosh sizes and can be used with either a reusable standard handle or for a total single patient use solution, a disposable standard metal handle is available.

040-431	Disposable Metal Macintosh No 1	10
040-432	Disposable Metal Macintosh No 2	10
040-433	Disposable Metal Macintosh No 3	10
040-434	Disposable Metal Macintosh No 4	10
040-430	Disposable Metal Handle	10

Standard Re-Usable Laryngoscope Handles & Box Sets

All handles are Bipolar, allowing the Laryngoscope to function irrespective of the way the batteries are inserted. The handles can be opened at either end in order to remove swelled batteries with ease.

Mini

Mini

Standard

Standard

Stubby

Stubby

Standard Laryngoscope Box Set

Available in Two Surfaces Finishes

The range of Laryngoscope handles are available in a smooth or knurled finish.

Smooth

Knurled

Box Sets

A range of box sets are available, with combinations of 3 or 4 blades.

Standard Handles

040-021	Standard Size Standard Handle - Knurled Finish	1
040-011	Standard Size Standard Handle - Satin Finish	1
040-022	Mini Size Standard Handle - Knurled Finish	1
040-012	Mini Size Standard Handle - Satin Finish	1
040-023	Stubby Size Standard Handle - Knurled Finish	1
040-013	Stubby Size Standard Handle - Satin Finish	1

Kryton Bulbs

041-401	Small Kryton Bulb (for use with Standard Miller Blades No's 00, 0 and 1)	1
041-402	Standard Kryton Bulb (for use with Standard Blades)	1

Standard Box Sets

040-239	Standard Size Handle - Knurled, with 3 Macintosh Blades No's 2, 3 and 4	1
040-240	Standard Size Handle - Knurled, with 3 Macintosh Blades No's 1, 2 and 3	1
040-241	Standard Size Handle - Knurled, with 4 Macintosh Blades No's 1, 2, 3 and 4	1

Packs & Magill Forceps

Packs

In addition to the Fibre Optic and Standard Reusable Laryngoscope Box Sets which are readily available, Flexicare offer a customisation option whereby clinicians can choose a combination of handles and blades for a bespoke intubation pack. The handles and blades are protected by the outer casing as well as being securely held in place within designated foam inner compartments. For further information please contact us to discuss your requirements.

Magill Forceps

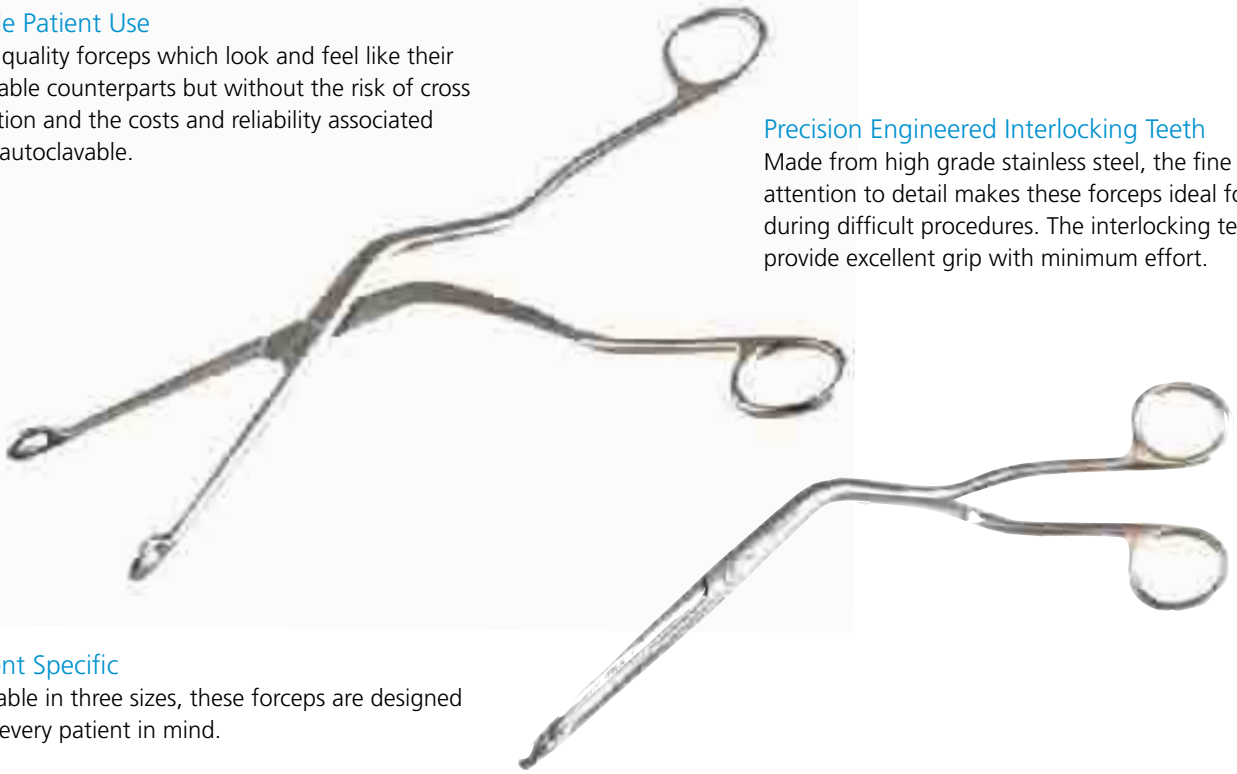
Flexicare offers a range of Magill Forceps which are designed to allow clinicians to guide tracheal tubes into the larynx or aid nasogastric tubes into the oesophagus whilst maintaining an uninterrupted view from the laryngoscope. The stainless steel single patient use forceps are available in 3 sizes to meet specific patients' requirements.

Single Patient Use

High quality forceps which look and feel like their re-usable counterparts but without the risk of cross infection and the costs and reliability associated with autoclavable.

Precision Engineered Interlocking Teeth

Made from high grade stainless steel, the fine attention to detail makes these forceps ideal for use during difficult procedures. The interlocking teeth provide excellent grip with minimum effort.



Patient Specific

Available in three sizes, these forceps are designed with every patient in mind.

042-411	Magill Forceps Adult	10
042-412	Magill Forceps Child	10
042-413	Magill Forceps Infant	10

Endotracheal Tubes

An Endotracheal Tube is a device inserted into the patient's trachea through the mouth or nose to maintain an open airway. It is used to assist the delivery of anaesthetic gases or air to and from the patient. Control of the airway with Endotracheal tube is usually regarded as the 'Gold Standard' (C. McCartney and D.J. Wilkinson, Current Anaesthesia and Critical Care 1995).

Tracheal Intubation Objectives

- Guarantee patency of the upper airway.
- Allow mechanical positive pressure management.
- Protect the airway from gastric contents.
- Permits tracheobronchial suction.

Anatomy and Physiology of the Respiratory System

The respiratory system can be broadly defined into the upper respiratory tract and the lower respiratory tract. The organs of the system include the nasal cavities, the pharynx, the larynx, the trachea, the bronchi and their smaller branches and the lungs which contain the terminal air sacs or alveoli.

Air inhaled through the nasal cavity is filtered by cilia. The air is also warmed and moistened by the capillary blood supply to the mucosa of the upper respiratory tract. The air then goes into the pharynx, larynx and followed by the trachea. The trachea stretches and descends during inspiration and recoils during expiration. The cartilage rings prevent it from collapsing and maintaining patency during breathing.

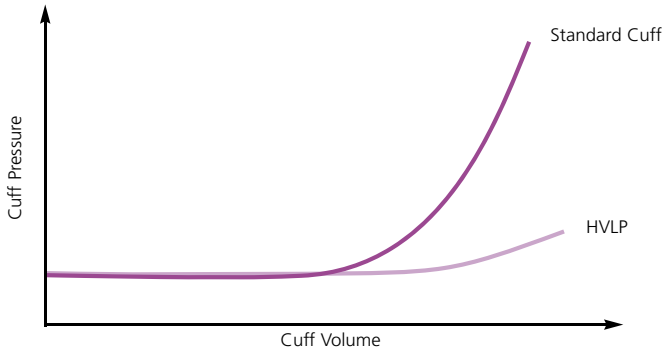
Air enters the right and left bronchus before reaching the bronchioles and later the alveoli, which contain capillaries where the gaseous exchange takes places. To ensure that the lungs are being ventilated at all times and protect against potential blockages by the tip of the tube resting on the tracheal wall, all Flexicare Endotracheal Tubes have a Murphy Eye as standard. The Murphy Eye also helps to maintain flow during suctioning, and also aids in maintaining the flow of the gases to both lungs should the tube move further into one of the bronchuses.

Flexicare offer endotracheal tubes with two different cuff types:

Standard Low Pressure Cuffs

VentiSeal High Volume Low Pressure Cuffs (HVLP)

The graph demonstrates the difference between the two types of Endotracheal tubes in relation to cuff pressure and cuff volume. The pressure necessary for the Standard Cuff to form an adequate seal increases as cuff volume increases. This happens at a higher ratio than compared with the Endosoft HVLP cuff. This characteristic determines the term of use of the respective cuffed endotracheal tubes.



The Standard Low Pressure Endotracheal Tubes are ideal for short-term intubation while the VentiSeal HVLP cuff is designed for longer term anaesthesia or intensive care where the cuff forms a seal without putting excess pressure on the wall of the trachea. Over inflation of a Standard Cuff and prolonged use will occlude the capillaries in the tracheal wall and will cause necrosis as shown in Figure 1.

The Murphy Eye is standard on all Flexicare Endotracheal Tubes to ensure that adequate ventilation is maintained even if the tip of the Tube was fixed to the tracheal wall or occluded by secretions, as shown in Figure 2.

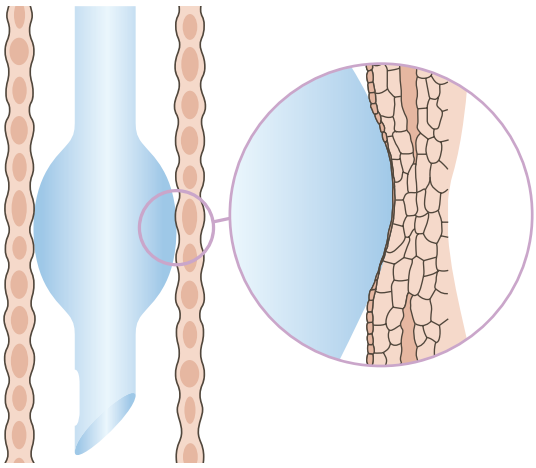


Figure 1

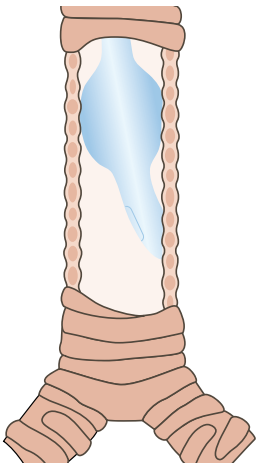


Figure 2

Endotracheal Tubes - Plain Tubes (without cuff)

Our comprehensive range of Endotracheal Tubes have unique features to ensure patient's safety and comfort, allowing intubation with total confidence. Each individual tube is tested for integrity and safety.

Optimum Size Murphy Eye
The optimum size murphy eye is smoothly rounded to reduce patient trauma during intubation, whilst minimising the risk of occlusion.

High Resolution Radiopaque Line
Guarantees easy and accurate identification of tube position and location during x-ray.

Smooth Bevelled Tip
Rounded bevelled tip reduces risk of damage to vocal cords during intubation

Kink Resistant
Ensures tube patency for patient safety, whilst softening at body temperature to conform to the patient's respiratory tract.

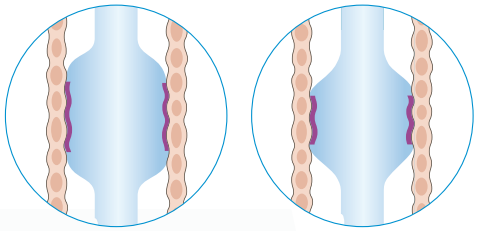
SIZE ID (mm)	ORAL/NASAL	CURVED (Oral) SOUTH	CURVED (Nasal) NORTH	REINFORCED	PACK SIZE
2.5	038-961-025				10
3.0	038-961-030		038-964-030	038-965-030	10
3.5	038-961-035		038-964-035	038-965-035	10
4.0	038-961-040		038-964-040	038-965-040	10
4.5	038-961-045		038-964-045	038-965-045	10
5.0	038-961-050	038-962-050	038-964-050	038-965-050	10
5.5	038-961-055	038-962-055	038-964-055	038-965-055	10
6.0	038-961-060	038-962-060	038-964-060	038-965-065	10
6.5	038-961-065	038-962-065	038-964-065	038-965-065	10
7.0	038-961-070	038-962-070	038-964-070	038-965-070	10
7.5	038-961-075	038-962-075		038-965-075	10
8.0	038-961-080	038-962-080		038-965-080	10
8.5	038-961-085	038-962-085		038-965-085	10
9.0	038-961-090	038-962-090		038-965-090	10
9.5	038-961-095				10
10.0	038-961-100				10
10.5	038-961-105				10
11.0	038-961-110				10

Endotracheal Tubes - VentiSeal (High Volume Low Pressure)

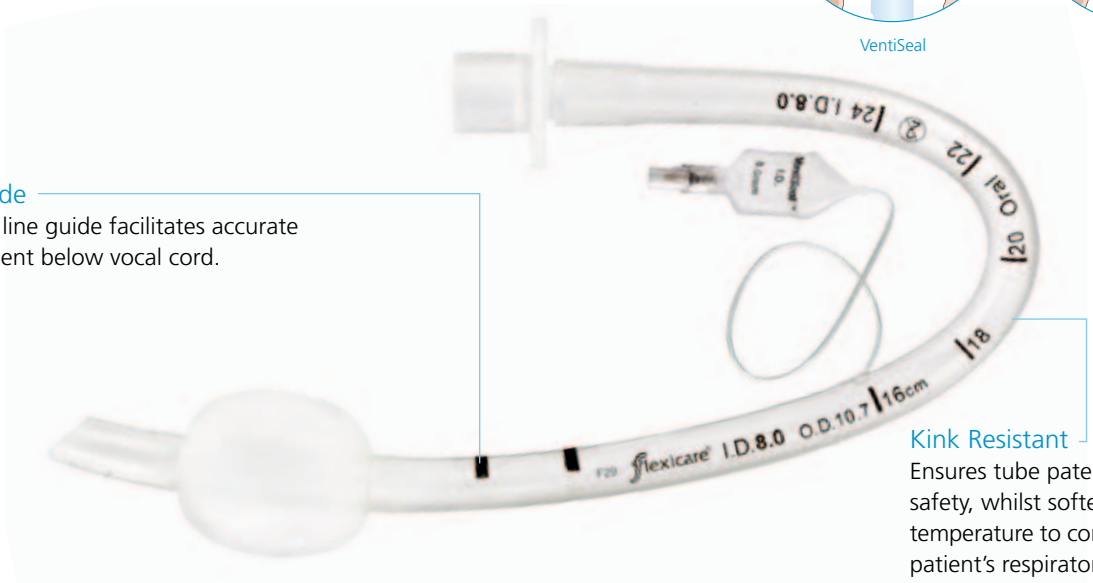
Reduced Risk of Vocal Injury and Trachea Necrosis - An optimum volume cuff with ideal pressure distribution and effective sealing. Smaller thin wall cuff reduces abrasive creases and folds. The ultra-smooth material permits gentle conformity to tracheal contours.

VentiSeal™

The diagram demonstrates the difference between the surface area that is in contact with the trachea when using a VentiSeal Cuffed Tube and a conventional tube. The cuff length of the VentiSeal Endotracheal Tube enables the pressure to be distributed over a larger surface therefore minimising the pressure placed on the tracheal wall and reducing the risk of tracheal wall necrosis.



VentiSeal Conventional



Depth Guide

The double line guide facilitates accurate cuff placement below vocal cord.

Kink Resistant

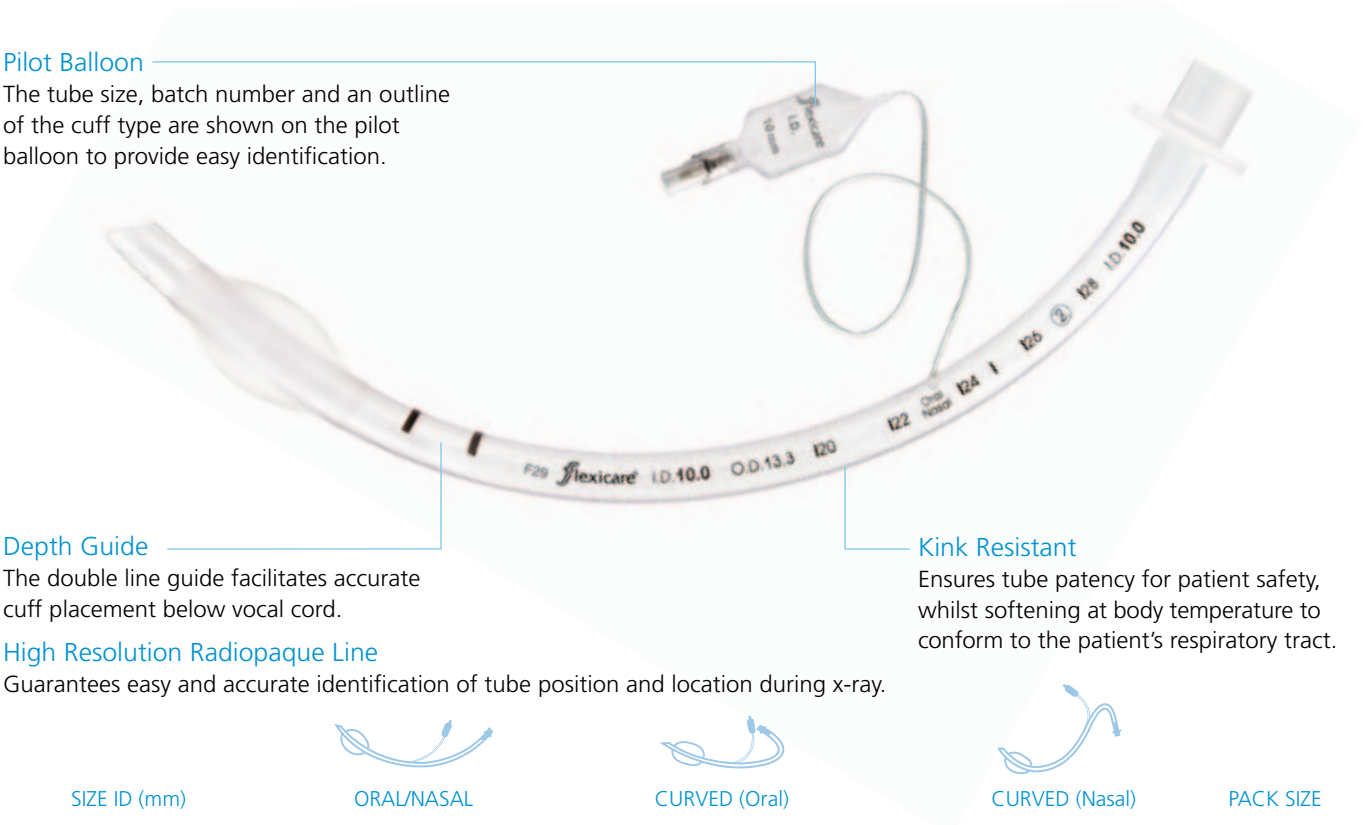
Ensures tube patency for patient safety, whilst softening at body temperature to conform to the patient's respiratory tract.

SIZE ID (mm)	ORAL/NASAL	CURVED (Oral) SOUTH	ANATOMICAL (Oral)	CURVED (Nasal) NORTH	REINFORCED	PACK SIZE
2.5	038-971-025					10
3.0	038-971-030					10
3.5	038-971-035					10
4.0	038-971-040					10
4.5	038-971-045					10
5.0	038-971-050	038-972-050				10
5.5	038-971-055	038-972-055				10
6.0	038-971-060	038-972-060	038-973-060	038-974-060	038-975-060	10
6.5	038-971-065	038-972-065	038-973-065	038-974-065	038-975-065	10
7.0	038-971-070	038-972-070	038-973-070	038-974-070	038-975-070	10
7.5	038-971-075	038-972-075	038-973-075	038-974-075	038-975-075	10
8.0	038-971-080	038-972-080	038-973-080	038-974-080	038-975-080	10
8.5	038-971-085	038-972-085	038-973-085		038-975-085	10
9.0	038-971-090	038-972-090	038-973-090		038-975-090	10
9.5	038-971-095					10
10.0	038-971-100					10
10.5	038-971-105					10
11.0	038-971-110					10

Endotracheal Tubes - Standard (Low Pressure Cuff)

The Standard Range of Low Pressure Endotracheal tubes are designed for short-term intubation. The cuff size and shape make the Standard Low Pressure Endotracheal tube ideal for emergency intubation, as the slim-line shape facilitates quick and easy intubation to maintain an open airway.

Pilot Balloon
The tube size, batch number and an outline of the cuff type are shown on the pilot balloon to provide easy identification.



Depth Guide
The double line guide facilitates accurate cuff placement below vocal cord.

Kink Resistant
Ensures tube patency for patient safety, whilst softening at body temperature to conform to the patient's respiratory tract.

High Resolution Radiopaque Line
Guarantees easy and accurate identification of tube position and location during x-ray.

SIZE ID (mm)	ORAL/NASAL	CURVED (Oral)	CURVED (Nasal)	PACK SIZE
5.0	038-981-050	038-982-050	038-984-050	10
5.5	038-981-055	038-982-055	038-984-055	10
6.0	038-981-060	038-982-060	038-984-060	10
6.5	038-981-065	038-982-065	038-984-065	10
7.0	038-981-070	038-982-070	038-984-070	10
7.5	038-981-075	038-982-075	038-984-075	10
8.0	038-981-080	038-982-080	038-984-080	10
8.5	038-981-085	038-982-085		10
9.0	038-981-090			10
9.5	038-981-095			10
10.0	038-981-100			10
10.5	038-981-105			10
11.0	038-981-110			10

Jaw Opener
To be used with an ET Tube when the patient has 'Teeth Clench'.

ET Tube Holder
The ET tube holders are compatible with all sizes of ET Tube.

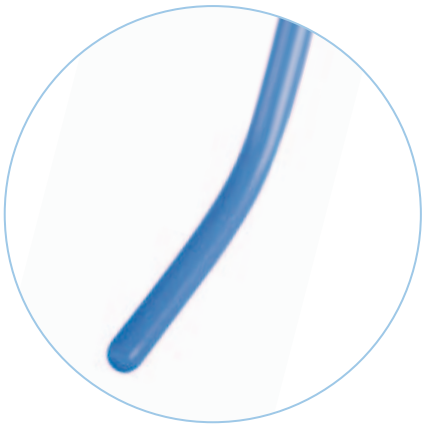
038-96-001	ET Tube Holder	10
038-96-006	Jaw Opener	10

Stylets and Bougies

Flexicare has developed a range of single use Bougies and Stylets to complement the range of Laryngoscopes and Endotracheal tubes, providing clinicians with a comprehensive range of airway devices.

Bougies

Reduced patient trauma
The rounded formed tip provides a smooth surface that allows the Bougie to inserted without damaging the soft tissue



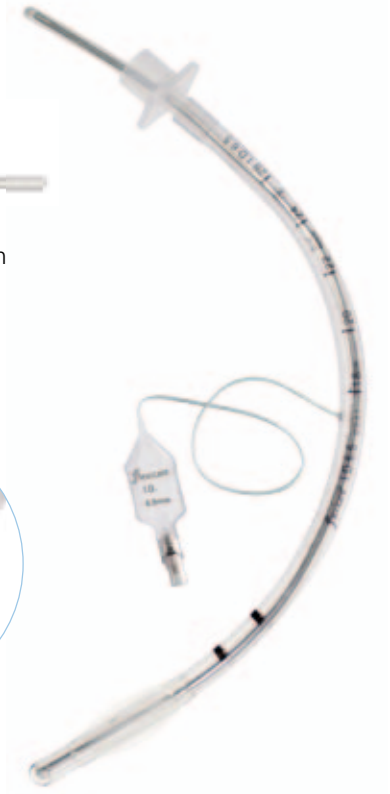
Coude Tip
Facilitates correct placement by providing accurate feel of the tracheal wall C-Rings. The flexibility also allows for easy removal once an ET Tube is in situ without.

Clearly Graduated Marking
Provides depth indication to reinforce correct placement

Eliminate the risk of cross contamination
Provided sterile, the single patient use Bougie eliminates the risk of cross infection.

038-968-016	Bougie / Introducer OD 1.6mm (5CH) x 500mm Sterile	10
038-968-033	Bougie / Introducer OD 3.3mm (10CH) x 700mm Sterile	10
038-968-050	Bougie / Introducer OD 5.0mm (15CH) x 700mm Sterile	10

Stylets



The range of shapeable stylets are manufactured with an aluminium core, with a soft touch outer casing. Available in a range of OD and lengths to meet specific patient needs.

Smooth Formed Tip
Reduces the risk of damaging soft tissue.

Range of Flexibility
The stylets can be shaped into the required curvature to suit the intubation need.

Single Patient Use
Supplied sterile, eliminating the risk of cross contamination.

038-967-022	Stylet OD 2.2mm (6CH) 225mm Long, Paediatric Sterile	10
038-967-040	Stylet OD 4.0mm (12CH) 365mm Long, Adult Sterile	10
038-967-050	Stylet OD 5.0mm (15CH) 365mm Long, Adult Sterile	10
038-967-140	Stylet OD 4.0mm (12CH) 700mm Long, Adult Sterile	10
038-967-150	Stylet OD 5.0mm (15CH) 700mm Long, Adult Sterile	10

NasoSafe is an innovative Nasopharyngeal Airway. The swivel safety grip eliminates the risk of the airway from travelling down the nasal passage whilst providing maximum comfort for the patient.

NasoSafe®

Patient Comfort
The swivel grip allows for positioning of the airway in the most comfortable position. The safety grip can be rotated through 360° to place the airway in the most convenient position without blocking the free nostril. The extended lip of the safety grip prevents the airway being sucked in while in situ.

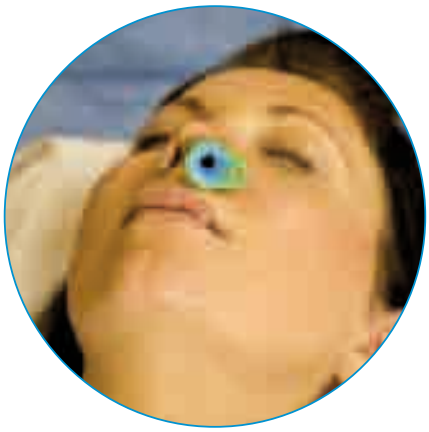
Allows Access
NasoSafe is ideal when the oral passage is not accessible. It also allows for nasotracheal suctioning.

Better Tolerance
NasoSafe is better tolerated by patients than oropharyngeal airways.

Swivel Safety Grip
The NasoSafe swivel grip protects the nasopharyngeal airway from loss in the nasal passage.

Reduced Risk of Injury During Intubations
The rounded edge of the tip combined with the angle cut design helps to reduce the risk of injury during intubation.

Reduced Risk of Patient Reaction
NasoSafe is made of medical grade PVC and is implant tested.



NasoSafe® is best inserted when the patient is in the supine position. The airway should be lubricated with a water soluble lubricant prior to insertion. The rounded bevelled tip reduces mucosal wall trauma and guides the airway along the floor of the nasal passage. When correctly in place the tip of the airway should be visible behind the uvula.

4.0mm ID | 5.0mm ID | 6.0mm ID | 7.0mm ID | 8.0mm ID | 9.0mm ID

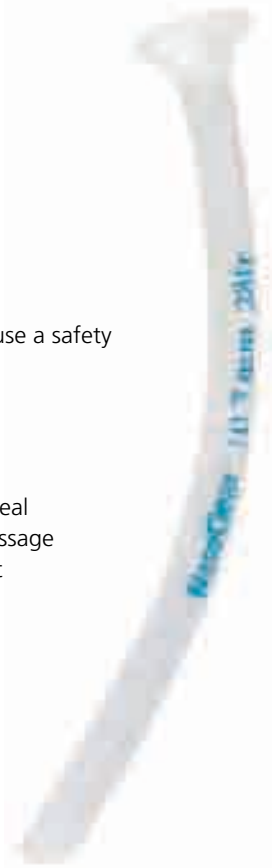
Size Colour Coding
Available in 6 sizes with colour coded swivel grips, that co-ordinate with suction catheter sizes.

		mm		fr			
		ID	OD	ID	OD		
038-95-004	NasoSafe Size 4 - Dark Green	4.0mm	7.0mm	16fr	20fr		10
038-95-005	NasoSafe Size 5 - Black	5.0mm	8.0mm	20fr	24fr		10
038-95-006	NasoSafe Size 6 - Green	6.0mm	9.0mm	24fr	26fr		10
038-95-007	NasoSafe Size 7 - Orange	7.0mm	10mm	28fr	30fr		10
038-95-008	NasoSafe Size 8 - Dark Red	8.0mm	11mm	32fr	34fr		10
038-95-009	NasoSafe Size 9 - Purple	9.0mm	13mm	36fr	38fr		10

Nasopharyngeal Airways

NasoClear is a simple and effective airway adjunct designed for easy insertion and maximum patient compliance.

NasoClear™



In-built Safety
NasoClear has an integrated connector designed to prevent the tube from travelling down the nasal passage and removes the need to use a safety pin eliminating the risk of clinician or patient injury.

Flared Nasal Opening
The large flared opening prevents the nasopharyngeal airway from physically travelling down the nasal passage but also allows for comfortable positioning without obstructing the other nostril.

Size Identification
Clearly labelled sizing enables clinicians to choose the correct NasoClear for the patient.

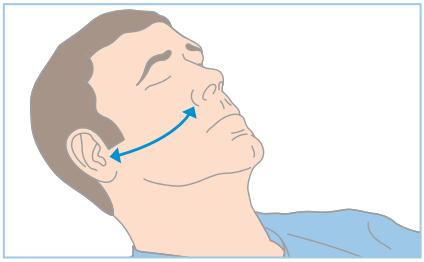
Clear Construction
Provides visual confirmation before insertion that there are no blockages.

Reduced Risk of Patient Reaction
NasoClear is made of medical grade PVC and is implant tested.

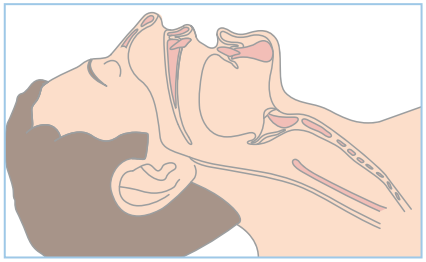
Allows Access
Ideal when the oral passage is not accessible. It also allows for nasotracheal suctioning.

Patient Comfort
NasoClear is better tolerated by awake patients than oropharyngeal airways.

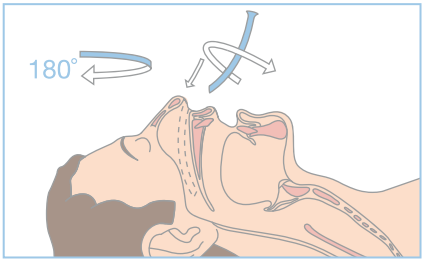
Reduced Risk of Injury During Intubations
Rounded bevelled tip reduces mucosal wall trauma and guides the airway along the floor of the nasal passage.



The length of the nasal airway can be estimated by the distance from the patients nostril to the earlobe, or the angle of the jaw.



The nasal airway is best inserted when the patient is in the supine position. The airway should be lubricated with a water soluble lubricant prior to insertion.



Insert with the curve facing the opposing direction and follow the nasal passage whilst turning the nasopharyngeal airway through 180°

		mm		fr		
		ID	OD	ID	OD	
038-95-004C	NasoClear Size 4	4.0mm	7.0mm	16fr	20fr	10
038-95-005C	NasoClear Size 5	5.0mm	8.0mm	20fr	24fr	10
038-95-006C	NasoClear Size 6	6.0mm	9.0mm	24fr	26fr	10
038-95-007C	NasoClear Size 7	7.0mm	10mm	28fr	30fr	10
038-95-008C	NasoClear Size 8	8.0mm	11mm	32fr	34fr	10
038-95-009C	NasoClear Size 9	9.0mm	13mm	36fr	38fr	10

Guedel Airways

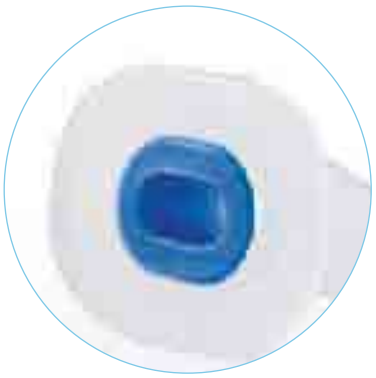
Flexicare has a full range of guedel airways with colour coded bite blocks, our guedel airways provide free air flow whilst protecting the airway from occlusion.

Integrated Bite Block
Prevents the patient from biting down and occluding airway.

Smooth bevelled tip
Allows for easy insertion and minimising the risk of causing patient trauma.

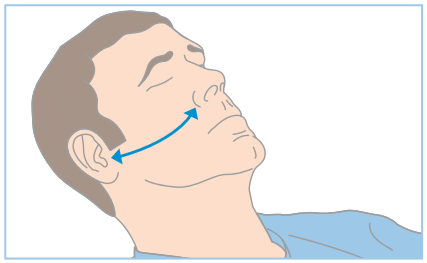
Sterile
The individually packaged single use guedels are supplied sterile to reduce the risk of cross infection.

Guedel Packs
Airway packs are available which include all sizes of Guedels. Great for resuscitation and difficult intubation. All guedels are individually packed.

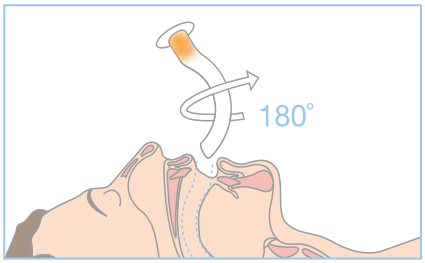


Colour Coded Bite Block
Provides easy identification of the required sized as per internationally accepted guidelines

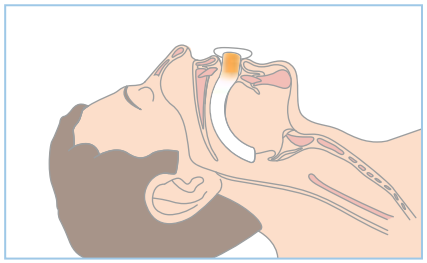
Embossed Size
Easy identification of size even if the user is unfamiliar with colour coding.



The length of the Guedel airway can be estimated by the distance from the patients nostril to the earlobe, or the angle of the jaw.



The Guedel airway is best inserted when the patient is in the supine position. Prior to insertion the airway should be lubricated with a water soluble lubricant.



Insert with the curve facing the opposing direction and follow the airway whilst turning the Guedel airway through 180°.

038-93-900	Guedel Airway 3.5 (Size 000) without Bite Block		50
038-92-902	Guedel Airway 5.0 (Size 00) with Blue Bite Block		50
038-92-900	Guedel Airway 6.0 (Size 0) with Black Bite Block		50
038-91-910	Guedel Airway 7.0 (Size 1) with White Bite Block		50
038-91-920	Guedel Airway 8.0 (Size 2) with Green Bite Block		50
038-91-930	Guedel Airway 9.0 (Size 3) with Orange Bite Block		50
038-91-940	Guedel Airway 10 (Size 4) with Red Bite Block		50

Guedel Airways are subject to change based on the forthcoming ISO standard changes, please refer to our website for further details.

ANAESTHESIA BREATHING SYSTEMS

Adult, Argentic and Paediatric Anaesthesia Circuits

Our range of Breathing Systems include Standard Parallel Circuits, Bain Circuits, Paediatric Circuits and Custom Made Circuits. Ventiflow™ is the complete system for low flow anaesthesia, with options for monitoring line and APL valve.

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General Anaesthesia

General Anaesthesia is usually obtained by a preliminary intravenous injection of a sleep inducing agent which will render the patient unconscious within a relatively short period of time, during which the patient will be induced using a gaseous mixture of Oxygen and an anaesthetic agent to maintain unconsciousness.

Essential Requirements of a Breathing System

The most important criteria that a Breathing System must satisfy is that it delivers the intended inspired gaseous mixture from the anaesthetic machine to the alveoli. The fresh gas flow (FGF) rate required to prevent rebreathing of alveolar gas is a measure of the efficiency of a breathing system. It must also effectively dispose of exhaled waste gases. Two other aspects that effect the patient directly is the amount of resistance there is within the system and the amount of dead space that is added by the system.

Components of a Breathing System

There are several components which may be used in the construction of an anaesthetic breathing system:

1. A fresh gas entry port in the form of a delivery tube.
2. Carbon Dioxide Absorbent (only used in Rebreathing system).
3. APL Valve.
4. Reservoir Bag.

The tubing used in the circuits are either made of corrugated tubing or smooth bore tubing. The design of Flexicare corrugated tubing is such that it aids in flexibility and prevents kinking and occlusion. The height of the corrugations are minimal so that there is minimum air disruption, and it also captures water vapour which occurs naturally during expiration.

Smooth bore tubing as its name suggests, is completely smooth on the inside. Some Anaesthetists argue that these tubes eliminate air turbulence and thus perform better enabling lower FGF than with corrugated tubing. Smooth bore tubing has an external spiral running the entire length of the tube to help reduce the risk of kinking and occlusion.

All our breathing circuits have the following features:

Easy to Manage

The parallel Y piece allows for greater control. The double walled, 22mm M /15mmF patient end connection allows for ease of fitting to Catheter Mounts, ET Tubes, Laryngeal Masks, Face Masks or Elbows. A swivel Y piece on selected circuits facilitates the most convenient position during anaesthesia and the improved design provides for optimum flow with minimal resistance.

Crush Resistant

Flexicare has a full range of corrugated tubing in 22mm, 15mm and 10mm made of a flexible co-polymer provides elasticity within the tube which will resist crushing. Flow will be maintained even when twisted through 180°. The lightweight system minimises 'Drag' and pressure on the patient. The shallow tube corrugations minimise flow resistance and turbulence, ensuring the required flow rate is maintained.

Easy and Secure Fitting

22mm Female serrated connectors provides a secure fit to the anaesthetic machine. The soft, lightweight and flexible material ensures a secure seal while still allowing ease of connection and disconnection.

Sterile Circuits

We have a number of circuits available as sterile, for further information on our sterile circuits and accessories please contact us.

Argentic Systems

Argentic is a range of anti-microbial breathing systems to combat microbial contamination within the clinical setting and reducing the risk of Hospital Acquired Infections (HAI). Argentic breathing systems are impregnated with a silver ion additive which rapidly reduces the number of bacterium. When oxygen in the ambient air comes into contact with silver particles it creates a catalytic reaction which helps to inactivate the microbes.

Throughout this catalogue Argentic products are identified with this symbol: Ag

Circular (Closed) Systems

A wide range of Venticaire anaesthetic breathing systems are offered to match your specific requirements. All systems are supplied with one spare 22mm male connector, allowing for most connection configurations.

Bain Systems

The Bain Circuit uses a high fresh gas flow to deliver anaesthetic gases to the patient and to wash out the exhaled CO_2.
The construction of the Bain Circuit uses an inner tube which delivers fresh gases to the patient and an outer corrugated tube that transports the exhaled gases. This system ensures there is no Rebreathing of the exhaled gases when the correct flow rate is set, this is dependent on the patient's minute ventilation.

Flexi-Lock Systems

An expandable circuit which allows for greater flexibility within the operating room or when patients are being transported.
The circuit can be expanded to the desired length and curved into a specific position without the need to tie down the circuit.

Smooth Bore Circle Systems

The smooth bore tube allows for the flow of gases with less resistance and reduced turbulence which can sometimes be associated with some corrugated tube circuits.

Kink Resistant - The spiral outer casing of the tube is designed to support patency of the inner lumen, ensuring delivery of fresh gas.

Easy and Secure Fitting - 22mm F flexible connectors provide a secure fitting to the machine.

Mapleson A - (Magill, Parallel Lack and Coaxial Lack)

This system consists of a reservoir bag close to the fresh gas outlet with the APL valve placed at the patient end (Magill A, or expiratory limb-Parallel Lack). During inspiration, as the patient's inspiratory flow is greater than the Fresh Gas Flow, additional gasses will be drawn out from the reservoir bag. During the expiratory phase, exhaled gases will force the fresh gas back into the circuit and reservoir bag. In the expiratory phase, exhaled gases will force the fresh breathing system and thus forcing the exhaled gasses to escape through the APL valve (scavenging port). The system requires a low flow (0.8-1 times of Minute Volume, approximately 6-8 litres/minute) during spontaneous respiration to prevent Rebreathing. This system is not recommended for intermittent positive pressure ventilation. (IPPV)

Magill System

038-01-256	Mapleson A Magill System (1.6m) 22mm lightweight corrugated tube with 2L Reservoir Bag and Adult APL Valve		20
038-01-256Ag	As above with Argentic Tubing	Ag	20

Parallel Lack

038-01-257	Mapleson A Parallel Lack System (1.6m) 22mm lightweight corrugated tubes with 2L Reservoir Bag and Adult APL Valve		20
038-01-257Ag	As above with Argentic Tubing	Ag	20

Mapleson Circuits

Mapleson C - (Waters Bag, Bagging System - Adult, Direct and Paediatric and Resuscitation Bag).

This system is similar to Mapleson B, however, the bag is positioned very close to the patient. This system is used for manual ventilation during resuscitation. A flow rate of 1.5-2 times of the minute volume is required to avoid Rebreathing.

Adult Bagging System

038-01-255	Mapleson C Bagging System (1.6m) 10mm lightweight corrugated tube with 2L Reservoir Bag and Adult APL Valve + 15F/6-9mm adaptor		20
038-01-258	Mapleson C Bagging System (2.1m) Star Lumen tube with 2L Reservoir Bag and Adult APL Valve + 22mm Female adapter		20

Mapleson D

Coaxial Bain

This system is mainly used with ventilated patients. The Fresh Gas Flow is close to the patient and the APL valve is placed away from the patient. The risk of Rebreathing in this circuit is high especially in patients who have a short expiratory pause or do not have an expiratory pause (infants). To overcome this problem a high FGF of 2 - 4 times of the patient's Minute Volume is required to prevent all Rebreathing. In practice some rebreathing is tolerated and in an adult FGF of 6 - 7 litres/minute will maintain a normal arterial CO_2 tension.

Bain Systems

038-01-251	Mapleson D Bain System (1.6m) 22mm lightweight corrugated tube with 2L Reservoir Bag and Adult APL Valve		20
038-01-251Ag	As above with Argentic Tubing	Ag	20
038-01-253	Mapleson D Bain System (2.4m) 22mm lightweight corrugated tube with 2L Reservoir Bag and Adult APL Valve		20
038-01-253Ag	As above with Argentic Tubing	Ag	20
038-01-254	Mapleson D Bain System (5.4m) 22mm lightweight corrugated tube with 2L Reservoir Bag and Adult APL Valve		10
038-01-254Ag	As above with Argentic Tubing	Ag	10

Ventiflow and Bain Inner Lumen Tester

Every Ventiflow and Bain Breathing System is supplied with an inner lumen patency tester. The tester is a purpose designed and built tester which facilitates testing of the inner lumen. When setting up the breathing system on the anaesthetic machine or ventilator, many machine's can automatically test the circuit for leaks when the patient end connector is connected to the machine also. An overall leak (or loss of pressure) can be detected but it is not possible to test the patency of each tube individually. The inner lumen tester will allow this. After checking the circuit in the normal way, insert the inner lumen tester down the patient end connector so as to block the end of the fresh gas inner tube. Perform the test again and this time only the fresh gas inner tube will be tested. This will ensure that there is no leak of fresh gas into the expiratory tube.

Ventiflow Tester

Bain Tester

Basic Bain Coaxial System 1.6m

038-01-200	Basic Bain Coaxial System (1.6m) 22mm lightweight, flexible corrugated tube with 22mm M swivel connector + low profile elbow		20
038-01-200Ag	As above with Argentic Tubing	Ag	20

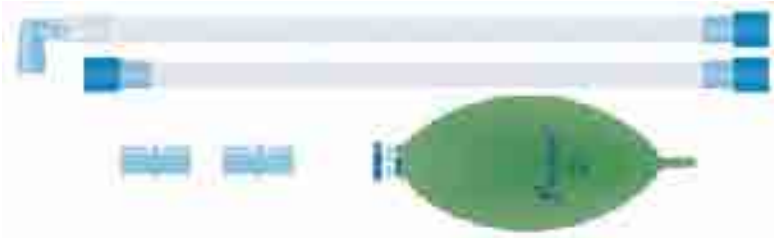
Basic Bain Coaxial System 2.4m

038-01-210	Basic Bain Coaxial System (2.4m) 22mm lightweight, flexible corrugated tube with 22mm M swivel connector + low profile elbow		20
038-01-210Ag	As above with Argentic Tubing	Ag	20

Basic Bain Coaxial System 1.6m

038-01-201	Basic Bain Coaxial System (1.6m) 22mm lightweight, low compliance corrugated tube with 22mm M swivel connector + low profile elbow without serrated connector		20
038-01-201Ag	As above with Argentic Tubing	Ag	20

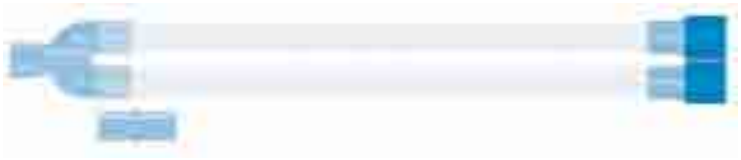
Basic Bain Coaxial System 1.6m



038-01-200B	Basic Bain Coaxial System (1.6m) with limb 22mm lightweight, flexible corrugated tube with 22mm M / 15mm F swivel connector + 2L Reservoir Bag + low profile elbow + two spare M/M connectors + 1.6m limb		20
038-01-200BAg	As above with Argentic Tubing	Ag	20

Adult Anaesthetic Systems

Basic Parallel



038-01-100	Basic Parallel (1.6m) 22mm lightweight, extra flexible corrugated tube with parallel Y piece and 22mm F connectors + spare M/M connector		20
038-01-100Ag	As above with Argentic Tubing	Ag	20
038-01-105	Basic Parallel (2.4m) 22mm lightweight, extra flexible corrugated tube with parallel Y piece and 22mm F connectors + spare M/M connector		20
038-01-105Ag	As above with Argentic Tubing	Ag	20

Basic Parallel with Limb

038-01-120	Basic Parallel (1.6m) with limb 22mm lightweight, extra flexible corrugated tube with parallel Y piece and 22mm F connectors + 0.8m F/F limb + spare M/M connector		20
038-01-120Ag	As above with Argentic Tubing	Ag	20
038-01-125	Basic Parallel (2.4m) with limb 22mm lightweight, extra flexible corrugated tube with parallel Y piece and 22mm F connectors + 0.8m F/F limb + spare M/M connector		20
038-01-125Ag	As above with Argentic Tubing	Ag	20

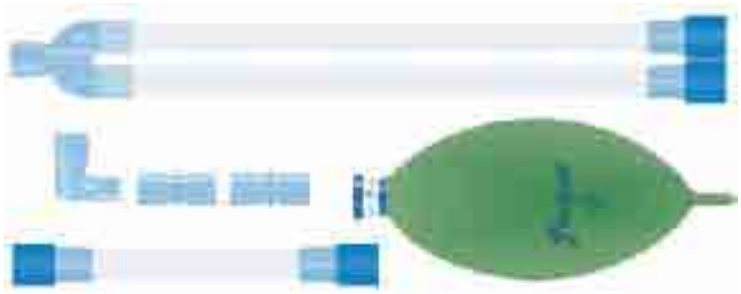
Basic Parallel with Swivel Y Piece

038-01-102	Basic Parallel with Swivel Y Piece (1.6m) 22mm lightweight, extra flexible corrugated tube with Swivel Y piece and 22mm F connectors + spare M/M connector		20
038-01-102Ag	As above with Argentic Tubing	Ag	20
038-01-103	Basic Parallel with Swivel Y Piece (2.4m) 22mm lightweight, extra flexible corrugated tube with Swivel Y piece and 22mm F connectors + spare M/M connector		20
038-01-103Ag	As above with Argentic Tubing	Ag	20

Basic Parallel with Swivel Y Piece and Limb

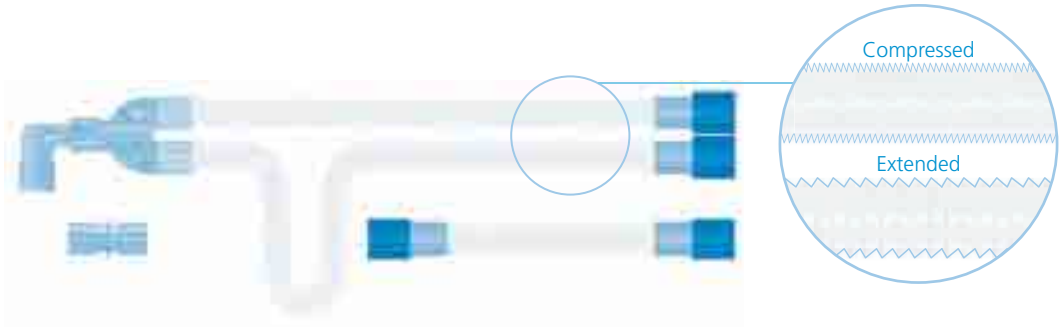
038-01-122	Basic Parallel (1.6m) with Swivel Y Piece + limb 22mm lightweight, extra flexible corrugated tube with Swivel Y piece and 22mm F connectors + 0.8m F/F limb + spare M/M connector		20
038-01-122Ag	As above with Argentic Tubing	Ag	20

Basic Parallel with Limb, Elbow Reservoir Bag and Connectors



038-01-110	Basic Parallel (1.6m) 22mm lightweight, extra flexible corrugated tube with parallel Y piece and 22mm F connectors + 0.8m F/F limb + Low Profile Elbow + 2L Reservoir Bag + spare M/M connector		20
038-01-110Ag	As above with Argentic Tubing	Ag	20
038-01-110LX	As 038-01-110 with 2.4m length		
038-01-110/701	Basic Parallel (1.6m) with 3m Gas Sampling Line 22mm lightweight, extra flexible corrugated tube with parallel Y piece and 22mm F connectors + 0.8m F/F limb + Low Profile Elbow + 2L Reservoir Bag + spare M/M connector		20
038-01-110LXXY	Basic Parallel (4.5m) 22mm lightweight, extra flexible corrugated tube with parallel Y piece and 22mm F connectors + 1.6m F/F limb + Low Profile Elbow + 2L Reservoir Bag + spare M/M connector		10

Flexi-Lock Parallel



038-01-106	Flexi-Lock Parallel (1.6m) Flexible expandable tube with parallel Y piece and 22mm F connectors + 0.8m F/F limb + spare M/M connector + Low Profile Elbow		20
038-01-106Ag	As above with Argentic Tubing	Ag	20

Adult Anaesthetic Systems

Basic Smooth Bore

038-01-104	Adult Smooth Bore Circuit (1.6m) 22mm lightweight smooth bore tubing with parallel Y piece and flexible 22mm F connectors + spare 22mm M/M connector	20
038-01-107	Adult Smooth Bore Circuit (2.4m) 22mm lightweight smooth bore tubing with parallel Y piece and flexible 22mm F connectors + spare 22mm M/M connector	20

Basic Smooth Bore with Limb

038-01-124	Adult Smooth Bore Circuit (1.6m) 22mm lightweight smooth bore tubing with parallel Y piece and flexible 22mm F connectors + 0.8m F/F limb + spare 22mm M/M connector	20
038-01-127	Adult Smooth Bore Circuit with limb (2.4m) 22mm lightweight smooth bore tubing with parallel Y piece and flexible 22mm F connectors + 0.8m F/F limb + spare 22mm M/M connector	20

Basic Smooth Bore and Detachable Y Piece

038-01-108	Adult Smooth Bore Circuit (1.6m) 22mm lightweight smooth bore tubing with detachable parallel Y piece and flexible 22mm F connectors + spare 22mm M/M connector	20
038-01-109	Adult Smooth Bore Circuit (2.4m) 22mm lightweight smooth bore tubing with detachable parallel Y piece and flexible 22mm F connectors + spare 22mm M/M connector	20

Basic Smooth Bore with Limb and Detachable Y Piece

038-01-128	Adult Smooth Bore Circuit (1.6m) with limb 22mm lightweight smooth bore tubing with detachable parallel Y piece and flexible 22mm F connectors + 0.8m F/F limb + spare 22mm M/M connector	20
038-01-129	Adult Smooth Bore Circuit (2.4m) with limb 22mm lightweight smooth bore tubing with detachable parallel Y piece and flexible 22mm F connectors + 0.8m F/F limb + spare 22mm M/M connector	20

Basic Smooth Bore with Detachable Swivel Y Piece

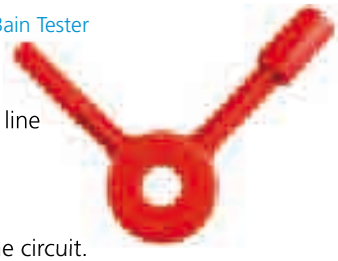
038-01-123	Adult Smooth Bore Circuit (1.6m) with limb 22mm lightweight smooth bore tubing with detachable parallel swivel Y piece and flexible 22mm F connectors + 0.8m F/F limb + spare 22mm M/M connector	20

Ventiflow Systems

Ventiflow is a coaxial (two tubes in one) breathing system ideal for use within both theatres and ICU and is well suited to low flow anaesthesia and both spontaneous and ventilated patients. Ventiflow may be used in either the open or closed configuration and as such it offers incredible flexibility. All components are included with the circuit to set up in either way. Ventiflow is available in over ten variations with the options of both with and without APL valve, with integral monitoring line (no trailing sample lines from patient to monitor) and lengths of up to 3.2m for specialist applications.

Patient Monitoring - Optional integral monitoring line collects end tidal CO_2 from the tip of the patient end connector. This provides for accurate gas sampling, whilst the integrated line prevents the possibility of becoming caught and promotes an uncluttered working environment.

Ventiflow Tester
Bain Tester



Swivel Patient End Connector - Reduces the risk of the circuit and optional integrated monitoring line becoming twisted. This minimises patient drag and the risks of disconnection of the circuit from the anaesthetic machine or ventilator.

Supplied with Inner Lumen Test Key - Allows for the isolation of the fresh gas tube to leak test the circuit.

Ventiflow

038-01-500	Ventiflow (1.6m) Circuit with Flexi-lock expandable limb + spare 22mm M/M connector + Elbow		20
038-01-500Ag	As above with Argentic Tubing	Ag	20
038-01-505	Ventiflow (2.4m) Circuit with Flexi-lock expandable limb + spare 22mm M/M connector + Elbow		20
038-01-505Ag	As above with Argentic Tubing	Ag	20

Ventiflow Basic

038-01-501	Ventiflow Basic (1.6m) Circuit with 2L Reservoir Bag, Flexi-lock expandable limb + spare 22mm M/M connector + Elbow		20
038-01-501Ag	As above with Argentic Tubing	Ag	20
038-01-506	Ventiflow Basic (2.4m) Circuit with 2L Reservoir Bag, Flexi-lock expandable limb + spare 22mm M/M connector + Elbow		20
038-01-506Ag	As above with Argentic Tubing	Ag	20

Adult Anaesthetic Systems

Ventiflow Standard

038-01-510	Ventiflow Standard (1.6m) Circuit with Monitoring Line, Flexi-lock expandable limb + spare 22mm M/M connector + Elbow		20
038-01-510Ag	As above with Argentic Tubing	Ag	20
038-01-515	Ventiflow Standard (2.4m) Circuit with Monitoring Line, Flexi-lock expandable limb + spare 22mm M/M connector + Elbow		20
038-01-515Ag	As above with Argentic Tubing	Ag	20

Ventiflow Plus

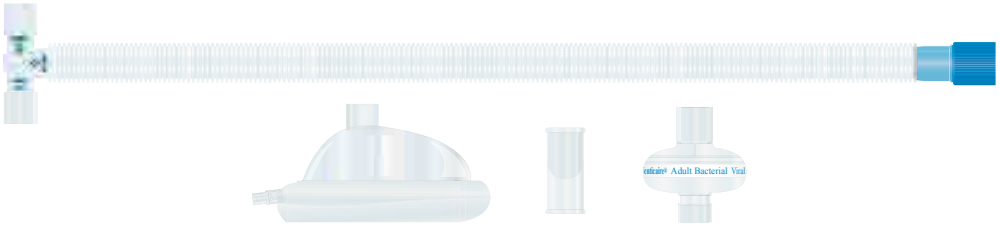
038-01-520	Ventiflow Plus (1.6m) Circuit with Adult APL Valve, 2L Reservoir Bag, Flexi-lock expandable limb + spare 22mm M/M connector + Elbow		20
038-01-520Ag	As above with Argentic Tubing	Ag	20
038-01-525	Ventiflow Plus (2.4m) Circuit with Adult APL Valve, 2L Reservoir Bag, Flexi-lock expandable limb + spare 22mm M/M connector + Elbow		20
038-01-525Ag	As above with Argentic Tubing	Ag	20

Ventiflow Max

038-01-530	Ventiflow Max (1.6m) Circuit with Adult APL Valve, 2L Reservoir Bag, integral Monitoring Line and Flexi-lock expandable limb + spare 22mm M/M connector + Elbow		20
038-01-530Ag	As above with Argentic Tubing	Ag	20
038-01-535	Ventiflow Max (2.4m) Circuit with Adult APL Valve, 2L Reservoir Bag, integral Monitoring Line and Flexi-lock expandable limb + spare 22mm M/M connector + Elbow		20
038-01-535Ag	As above with Argentic Tubing	Ag	20

Entonox Systems

Nitrous Oxide gases have been known to have sedative and analgesic effects for well over two hundred years. In the medical application Entonox® is a gas comprising of equal parts of Nitrous Oxide and Oxygen, most commonly used during childbirth. The gas is administered via the entonox circuit and inhaled by the patient using either a face mask or a mouthpiece. An incorporated demand valve is regulated by the patients inspiration pattern allowing gases to be controlled and not lost to the ambient surroundings.



Lightweight

22mm Corrugated tube will retain it's shape and resist crushing.
Flow is still maintained even when twisted through 180°.
The shallow corrugations minimise flow resistance and turbulence.

Patient Choice

The entonox circuits are available for use with a mouthpiece or mask providing patient choice.

Entonox T-Piece

The T-Piece incorporates 2 non-return valves to allow for inspired gases to be delivered through the system and prevent expired gases re-entering the circuit.

Aeroplane Flow Indicator

The aeroplane flow indicator attaches to the one way valve to encourage young patients during emergency procedures.

Patient Controlled during child birth

Patients should inspire the Entonox gas as soon as a contraction begins. The level of pain control that is built up in the blood stream will reach maximum effectiveness between 45-50 seconds after patients begin breathing. Using Entonox gas does not prevent patients being given supplemental or alternative pain relief drugs.

Entonox Circuit with Mouthpiece

038-01-176	Entonox Circuit with Mouth Piece (2.4m) Low resistance corrugated tube with 22mm F connector, one way valve and mouth piece	20

Entonox Circuit with Mask

038-01-177	Entonox Circuit with Mask (2.4m) Low resistance 22mm corrugated tube with 22mm F connector, one way valve and face mask	20
038-01-178	Entonox Circuit with Mouth Piece and Mask (2.4m) Low resistance 22mm corrugated tube with 22mm F connector, one way valve, mouth piece and face mask	20

Entonox is a Registered Trademark of BOC Gases

Entonox Circuit with Scavenging Tube

038-01-173	Entonox Circuit (2.4m) Low resistance corrugated tube with 22mm F connector, one way valve, and detachable scavenging tube with connector	20

Entonox Mouthpiece

032-10-066	Entonox Mouth Piece	50

Bacterial Viral Filter with Entonox Mouthpiece

038-41-369	Bacterial Viral Filter with Mouthpiece for Entonox	50

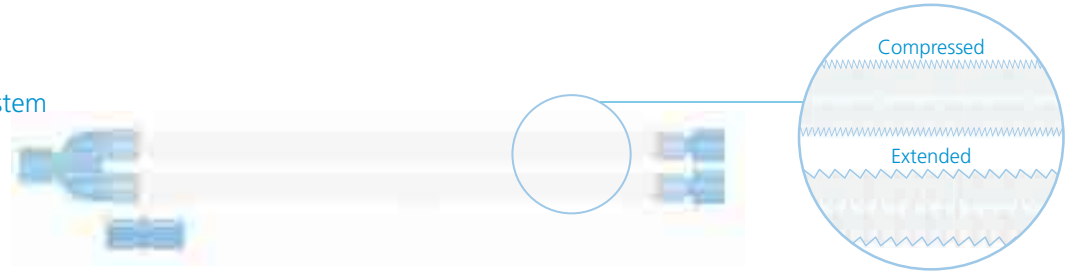
Paediatric Entonox Circuit with Aeroplane Flow Indicator

038-01-175	Entonox Circuit with Aeroplane Flow Indicator (2.4m) Low resistance 22mm corrugated tube with 22mm F connector, one way valve with Aeroplane Indicator and mouth piece	20

Basic Parallel Circle System

038-02-165	Basic Parallel (1.6m) Low resistance 15mm corrugated tube, parallel Y piece, 22mm F connectors + spare 22mm M/M connector	20

Flexi Lock Parallel Circle System



038-02-180	Flexi-Lock Parallel (1.5m) Expandable 15mm corrugated tube, parallel Y piece, 22mm F connectors + spare 22mm M/M connector	20

Smooth Bore Systems

Smooth Bore Circle System

038-02-166	Paediatric Smooth Bore Circuit (1.5m) 15mm lightweight smooth bore tubing with parallel Y piece and flexible 22mm F connectors + spare 22mm M/M connector	20

Smooth Bore Circle System

038-02-162	Paediatric Smooth Bore Circuit (1.5m) 15mm lightweight smooth bore tubing with bifurcated Y piece with monitoring ports and flexible 22mm F connectors + spare 22mm M/M connector	20

Smooth Bore Circle System with Detachable Y Piece

038-02-163	Paediatric Smooth Bore Circuit (1.5m) 15mm lightweight smooth bore tubing with detachable Y piece and flexible 22mm F connectors + spare 22mm M/M connector	20

Smooth Bore Circle System with Y Piece and monitoring ports

038-02-164	Paediatric Smooth Bore Circuit (1.5m) 15mm lightweight smooth bore tubing with low dead space Y piece + Monitoring Ports and flexible 22mm F connectors + spare 22mm M/M connector	20

Mapleson C Systems

Mapleson C Paediatric Direct Bagging System (1.6m)

038-02-270	Mapleson C Direct System (1.6m) 10mm corrugated tube with 0.5L reservoir bag and paediatric APL valve with spare 15F/6-9mm connector	20

Mapleson C Paediatric Bagging System (1.6m)

038-02-271	Mapleson C Paediatric Bagging System (1.6m) 10mm corrugated tube with 0.5L reservoir bag and paediatric APL valve with spare 15F/6-9mm connector	20

Mapleson C Direct System (1.6m)

038-02-272	Mapleson C Direct System (1.6m) 10mm corrugated tube with 1L reservoir bag and paediatric APL valve with spare 15F/6-9mm connector	20

Mapleson F Systems

Mapleson F Ayres T-Piece with APL Valve (1.6m)

038-02-273	Mapleson F Ayres T-Piece with APL Valve (1.6m) 10mm corrugated tube fresh gas line with 15mm M connector and spare 15F/6-9mm flexible connector with 0.5L closed tail reservoir bag and paediatric APL valve	20

Mapleson F Infant T-Piece (1.6m)

038-02-191	Mapleson F Infant T-Piece (1.6m) 10mm corrugated tube fresh gas line with 15mm M connector and spare 15F/6-9mm flexible connector with 0.5L open tail reservoir bag	20

Mapleson F Ayres T-Piece (1.6m)

038-02-196	Mapleson F Ayres T-Piece (1.6m) 10mm corrugated tube, fresh gas line with 22mm F connector with 0.5L open tail reservoir bag and double swivel elbow	20
038-02-196C	Mapleson F Ayres T-Piece (1.6m) 10mm corrugated tube, fresh gas line with 22mm F connector with 0.5L open tail reservoir bag and double swivel elbow + monitoring line	20

Mapleson F Infant T-Piece (2.1m)

038-02-190	Mapleson F Infant T-Piece (2.1m) Star lumen tubing with 22mm F spare connector, 0.5L open tail reservoir bag	20

Mapleson F Ayres T-Piece (2.1m)

038-02-195	Mapleson F Ayres T-Piece (2.1m) Star lumen tube with 22mm F spare connector, 0.5L open tail reservoir bag and double swivel elbow with elastomeric cap	20

Mapleson F Ayres T-Piece (2.1m)

038-02-198	Mapleson F Ayres T-Piece (2.1m) Star lumen tube with 22mm F spare connector, 1L reservoir bag and double swivel elbow with elastomeric cap	20

Catheter Mounts

A wide range of catheter mounts are available with either Standard, Flexi-Lock or Smooth Bore tubing with a variety of fixed or swivel elbows and connectors offering total flexibility.

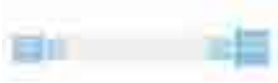
Total Flexibility
15mm standard or Flexi-Lock corrugated tubing allows ultimate flexibility during operative and clinical procedures when patient manoeuvring may be required.

Maximum Choice
Wide range of Fixed or Swivel elbows with or without ports providing total flexibility for patient airway management.

Secure Fitting
22mm F 15mm M end connectors allow for secure fitting to all Y Pieces meeting the approved standards.

Standard 15mm Tubing

Standard 15mm Tube Catheter Mount



038-61-301	Standard 15mm Tube Catheter Mount 22mm F and 15mm F Connectors	50

Standard 15mm Tube Catheter Mount with Low Profile Elbow

038-61-302	Standard 15mm Tube Catheter Mount with Low Profile Elbow 22mm F and 15mm F/22mm M Connectors	50

Standard 15mm Tube Catheter Mount with Luer Lock Elbow

038-61-303	Standard 15mm Tube Catheter Mount with Luer Lock Elbow 22mm F and 15mm F/22mm M Connectors	50

Standard 15mm Tube Catheter Mount with Low Profile Elbow and Elastomeric Cap

038-61-304	Standard 15mm Tube Catheter Mount with Low Profile Elbow and Elastomeric Cap 22mm F and 15mm F/22mm M Connectors	50

Standard 15mm Tube Catheter Mount with Double Swivel Elbow

038-61-305	Standard 15mm Tube Catheter Mount with Double Swivel Elbow 22mm F and 15mm F/22mm M Connectors	50

Standard 15mm Tube Catheter Mount with Double Swivel Elbow and Elastomeric Cap

038-61-306	Standard 15mm Tube Catheter Mount with Double Swivel Elbow and Elastomeric Cap 22mm F and 15mm F/22mm M Connectors	50

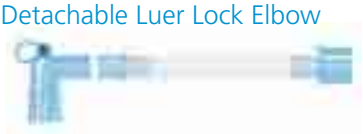
Catheter Mounts

Standard 15mm Tubing with Detachable Catheter Mounts

Standard 15mm Tube Catheter Mount with Detachable Low Profile Elbow

038-61-301/640	Standard 15mm Tube Catheter Mount with Detachable Low Profile Elbow 22mm F and 15mm F/22mm M Connectors	50

Standard 15mm Tube Catheter Mount with Detachable Luer Lock Elbow



038-61-301/641	Standard 15mm Tube Catheter Mount with Detachable Luer Lock Elbow 22mm F and 15mm F/22mm M Connectors	50

Standard 15mm Tube Catheter Mount with Detachable Low Profile Elbow and Elastomeric Cap

038-61-301/642	Standard 15mm Tube Catheter Mount with Detachable Low Profile Elbow and Elastomeric Cap 22mm F and 15mm F/22mm M Connectors	50

Standard 15mm Tube Catheter Mount with Detachable Double Swivel Elbow

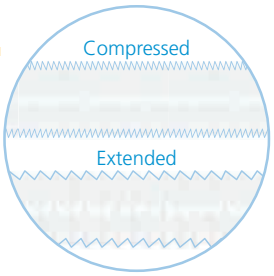
038-61-301/643	Standard 15mm Tube Catheter Mount with Detachable Double Swivel Elbow 22mm F and 15mm F/22mm M Connectors	50

Standard 15mm Tube Catheter Mount with Detachable Double Swivel Elbow and Elastomeric Cap

038-61-301/645	Standard 15mm Tube Catheter Mount with Detachable Double Swivel Elbow and Elastomeric Cap 22mm F and 15mm F/22mm M Connectors	50

Catheter Mounts

Flexi-Lock Tubing



Flexi-Lock Tube Catheter Mount 15mm

038-61-310	Flexi-Lock Tube Catheter Mount 15mm M and 15mm F Connectors	50

Flexi-Lock Tube Catheter Mount 22mm

038-61-311	Flexi-Lock Tube Catheter Mount 22mm F and 15mm F Connectors	50

Flexi-Lock Catheter Mount with Low Profile Elbow

038-61-312	Flexi-Lock Catheter Mount with Low Profile Elbow 22mm F and 15mm F/22mm M Connectors	50

Flexi-Lock Catheter Mount with Luer Lock Elbow

038-61-313	Flexi-Lock Catheter Mount with Luer Lock Elbow 22mm F and 15mm F/22mm M Connectors	50

Flexi-Lock Catheter Mount with Elbow and Elastomeric Cap

038-61-314	Flexi-Lock Catheter Mount with Elbow and Elastomeric Cap 22mm F and 15mm F/22mm M Connectors	50

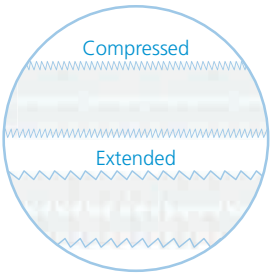
Flexi-Lock Catheter Mount with Double Swivel Elbow

038-61-315	Flexi-Lock Catheter Mount with Double Swivel Elbow 22mm F and 15mm F/22mm M Connectors	50

Flexi-Lock Catheter Mount with Double Swivel Elbow and Elastomeric Cap

038-61-316	Flexi-Lock Catheter Mount with Double Swivel Elbow and Elastomeric Cap 22mm F and 15mm F/22mm M Connectors	50

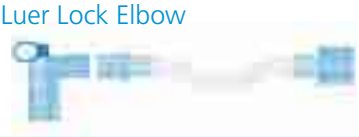
Flexilock Tubing with Detachable Catheter Mounts



Flexi-Lock Catheter Mount with Detachable Low Profile Elbow

038-61-310/640	Flexi-Lock Catheter Mount with Detachable Low Profile Elbow 22mm F and 15mm F/22mm M Connectors	50

Flexi-Lock Catheter Mount with Detachable Luer Lock Elbow



038-61-310/641	Flexi-Lock Catheter Mount with Detachable Luer Lock Elbow 22mm F and 15mm F/22mm M Connectors	50

Flexi-Lock Catheter Mount with Detachable Elbow and Elastomeric Cap

038-61-310/642	Flexi-Lock Catheter Mount with Detachable Elbow and Elastomeric Cap 22mm F and 15mm F/22mm M Connectors	50

Flexi-Lock Catheter Mount with Detachable Double Swivel Elbow

038-61-310/643	Flexi-Lock Catheter Mount with Detachable Double Swivel Elbow 22mm F and 15mm F/22mm M Connectors	50

Flexi-Lock Catheter Mount with Detachable Double Swivel Elbow and Elastomeric Cap

038-61-310/645	Flexi-Lock Catheter Mount with Detachable Double Swivel Elbow and Elastomeric Cap 22mm F and 15mm F/22mm M Connectors	50

Catheter Mounts

Smooth Bore Tubing

Smooth Bore Catheter Mount

038-61-321	Smooth Bore Catheter Mount 22mm F and 15mm F Connectors	50

Smooth Bore Catheter Mount with Low Profile Elbow

038-61-322	Smooth Bore Catheter Mount with Low Profile Elbow 22mm F and 15mm F/22mm M Connectors	50

Smooth Bore Catheter Mount with Luer Lock Elbow

038-61-323	Smooth Bore Catheter Mount with Luer Lock Elbow 22mm F and 15mm F/22mm M Connectors	50

Smooth Bore Catheter Mount with Elbow and Elastomeric Cap

038-61-324	Smooth Bore Catheter Mount with Elbow and Elastomeric Cap 22mm F and 15mm F/22mm M Connectors	50

Smooth Bore Catheter Mount with Double Swivel Elbow

038-61-325	Smooth Bore Catheter Mount with Double Swivel Elbow 22mm F and 15mm F/22mm M Connectors	50

Smooth Bore Catheter Mount with Double Swivel Elbow and Elastomeric Cap

038-61-326	Smooth Bore Catheter Mount with Double Swivel Elbow and Elastomeric Cap 22mm F and 15mm F/22mm M Connectors	50

Anaesthetic Face Masks

Scented Anaesthetic Face Masks

Some patients receiving anaesthesia, particularly children, can find the experience unpleasant. The Flexicare range of scented anaesthetic face masks are offered in three aromas Lemon, Strawberry and Vanilla to help overcome this problem.

Inflatable Cushion - The seal can be enhanced by inflating/deflating the cushion to suit the patient's anatomical contour.
Colour Coding - The masks are colour coded to identify the aroma and mask size
Ease of Observation - Clear face piece allows visual observation of the patient status.
Soft Cushion - Smooth material used for the cushion allows for a tight seal while providing patient comfort.

Lemon Scented Inflatable Disposable Anaesthetic Face Masks

038-51-400SFL	Large Adult	Lemon Scented Inflatable Disposable Face Mask	Size 5	5	50
038-51-410SFL	Adult	Lemon Scented Inflatable Disposable Face Mask	Size 4	4	50
038-52-415SFL	Large Child	Lemon Scented Inflatable Disposable Face Mask	Size 3	3	50
038-52-420SFL	Medium Child	Lemon Scented Inflatable Disposable Face Mask	Size 2	2	50
038-52-430SFL	Small Child	Lemon Scented Inflatable Disposable Face Mask	Size 1	1	50
038-53-440SFL	Neonatal	Lemon Scented Inflatable Disposable Face Mask	Size 0		50

Strawberry Scented Inflatable Disposable Anaesthetic Face Masks

038-52-415SFS	Large Child	Strawberry Scented Inflatable Disposable Face Mask	Size 3	3	50
038-52-420SFS	Medium Child	Strawberry Scented Inflatable Disposable Face Mask	Size 2	2	50
038-52-430SFS	Small Child	Strawberry Scented Inflatable Disposable Face Mask	Size 1	1	50
038-53-440SFS	Neonatal	Strawberry Scented Inflatable Disposable Face Mask	Size 0		50

Vanilla Scented Inflatable Disposable Anaesthetic Face Masks

038-51-400SFP	X Large Adult	Vanilla Scented Inflatable Disposable Face Mask	Size 6	6	50
038-51-400SFP	Large Adult	Vanilla Scented Inflatable Disposable Face Mask	Size 5	5	50
038-51-410SFP	Adult	Vanilla Scented Inflatable Disposable Face Mask	Size 4	4	50
038-52-415SFP	Large Child	Vanilla Scented Inflatable Disposable Face Mask	Size 3	3	50
038-52-420SFP	Medium Child	Vanilla Scented Inflatable Disposable Face Mask	Size 2	2	50
038-52-430SFP	Small Child	Vanilla Scented Inflatable Disposable Face Mask	Size 1	1	50
038-53-440SFP	Neonatal	Vanilla Scented Inflatable Disposable Face Mask	Size 0		50

Anaesthetic Face Masks

Inflatable Disposable Anaesthetic Face Masks

The pre-filled disposable anaesthetic face mask is available in 6 sizes from neonatal to large adult, with individually colour coded hooks for ease of identification. Compatible with all standard catheter mounts and breathing systems with 22mm & 15mm connectors.

038-51-400	Large Adult	Pre-Filled Inflatable Disposable Face Mask	Size 5	5	50
038-51-410	Adult	Pre-Filled Inflatable Disposable Face Mask	Size 4	4	50
038-52-415	Large Child	Pre-Filled Inflatable Disposable Face Mask	Size 3	3	50
038-52-420	Medium Child	Pre-Filled Inflatable Disposable Face Mask	Size 2	2	50
038-52-430	Small Child	Pre-Filled Inflatable Disposable Face Mask	Size 1	1	50
038-53-440	Neonatal	Pre-Filled Inflatable Disposable Face Mask	Size 0		50

Silicone Reusable Anaesthetic Face Masks

The reusable silicone anaesthetic face masks are fully autoclavable up to 50 times. The moulded texture of the rim ensures maximum patient comfort and a tight seal, while the transparent face piece allows patient monitoring at all times. 22mm and 15mm connectors ensures compatibility with all standard catheter mounts and breathing systems.

038-51-400SIL	Large Adult	Silicone Reusable Face Mask	Size 5	5	50
038-51-410SIL	Adult	Silicone Reusable Face Mask	Size 4	4	50
038-52-415SIL	Large Child	Silicone Reusable Face Mask	Size 3	3	50
038-52-420SIL	Medium Child	Silicone Reusable Face Mask	Size 2	2	50
038-52-430SIL	Small Child	Silicone Reusable Face Mask	Size 1	1	50
038-53-440SIL	Neonatal	Silicone Reusable Face Mask	Size 0		50

Anaesthetic Face Masks Packs

038-51-400/A	LargeA dult	FaceM ask,El bow,F ilterH ME+ port	Size 5	5	50
038-51-410/A	Adult	Face Mask, Elbow, Filter HME + port	Size 4	4	50
038-52-415/A	Large Child	Face Mask, Elbow, Filter HME + port	Size 3	3	50
038-52-420/A	Medium Child	Face Mask, Elbow, Filter HME + port	Size 2	2	50

038-61-355	LargeA dult	FaceM ask,F ilter,D etachableEl bow+ C atheterM ount	Size5	5	50
038-61-354	Adult	Face Mask, Filter, Detachable Elbow + Catheter Mount	Size 4	4	50
038-61-353	Large Child	Face Mask, Filter, Detachable Elbow + Catheter Mount	Size 3	3	50
038-61-352	Medium Child	Face Mask, Filter, Detachable Elbow + Catheter Mount	Size 2	2	50
038-61-351	Small Child	Face Mask, Filter, Detachable Elbow + Catheter Mount	Size 1	1	50

Soda Lime Absorbents

VentiSorb

VentiSorb® is a carbon dioxide absorbent with excellent efficiency and low resistance for use within closed circle systems.

VentiSorb®

VentiSorb is a medical grade soda lime prepared in granulated form. The individual granules are specifically non-uniform in shape and size so that CO_2 filtration is maximized without restricting airflow. VentiSorb offers excellent efficiency in absorbing carbon dioxide and other acidic contamination from gas stream while minimizing dust particle formation. The chemical attributes of the active compound is naturally porous and hard which acts as a heat and moisture exchange.

The use of closed circuit systems within the operating room has increased dramatically over the last few years in that low flow capability allows for use on paediatrics as well as adults. The use of VentiSorb in closed systems offers the following benefits:

- Increased Moisture Output
- Minimal Anaesthetic Agent Degradation
- Improved Heat Retention

Operator Benefits

The benefits of using closed circle systems for their low flow anaesthesia delivery capabilities extends beyond patient benefits. The implication for the operating department being that anaesthetic gases used to induce patients does not unnecessarily pollute the operating room.

Colour Change Indicator

When exhausted VentiSorb will change colour indicating that the soda lime needs to be changed. This should be used alongside a CO_2 monitor to confirm compound exhaustion.

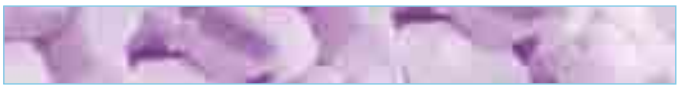
Pink → White

White → Violet

VentiSorb is available in two different colour change indicators both conforming to international standards. They are either from Pink to White or from White to Violet. Both give clear visual indications as to the extent of the CO_2 absorption and the life extent of the soda lime.

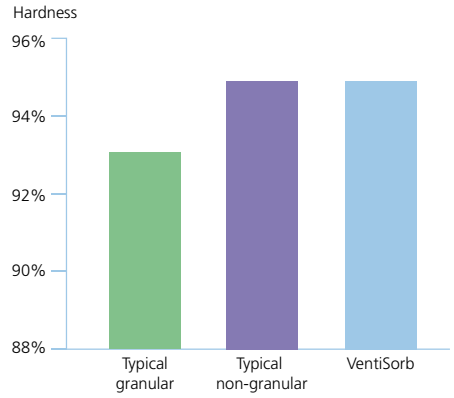
Particle Packing

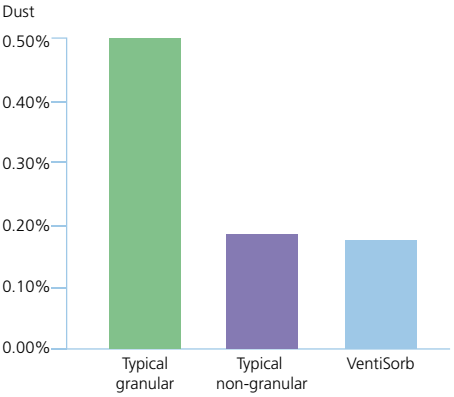
VentiSorb granules range from 2.5 - 5.0 in size, allowing for a tightly packed layered canister increasing the efficiency of the CO_2 absorption without significantly increasing resistance.



Physical Characteristics

The graphs below demonstrates VentiSorb's physical characteristics in comparison to other Soda Lime absorbers.





SPECIFICATION	GRADE	PARTICLE SIZE	CO_2 CAPACITY	HARDNESS
US Pharmacopoeia	USP	Mesh: 4-8 Particles: 2.5mm-5.0mm	19wt% minimum	>75

038-05-601	1.3kg VentiSorb supplied in resealable bags. Pink to White	12
038-05-602	4.5kg VentiSorb supplied in resealable bags. Pink to White	2
038-05-603	1.3kg VentiSorb supplied in resealable bags. White to Violet	12
038-05-604	4.5kg VentiSorb supplied in resealable bags. White to Violet	2

ANAESTHESIA COMPONENTS

Connectors, Tubing, Monitoring Lines & Accessories

A wide range of anaesthesia components are available for clinicians to customise their individual circuits.

Patient Connectors & Accessories

Connectors 62
T-Pieces 62
Y-Pieces 63
Corrugated Tubing 63
Monitoring Lines 64
Reservoir Bags 64
Water Traps 64

Patient Connectors and Accessories

Connectors

010-610 100

22mm M / F Serrated Connector

010-611 100

22mm M / 22mm M/ 15mm F Connector

010-612 100

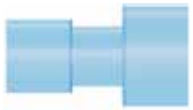
22mm F / 15mm M Connector

010-613 100

15mm M / M Connector

010-614 100

15mm M / F Connector



010-617 50

22mm / 30F Scavenging Connector

010-601 50

22mm M / F with Barbed Right Angled Connector

010-602 50

22mm M / F with Luer Right Angled Port

010-603 50

22mm F / F with Luer Right Angled Port

Washington T-Pieces

010-604 50

22F / F Connector with Port and Plug

010-605 50

22mm M / F Connector with Port and Plug

010-638 50

15mm M / 22mm M / 15mm F with Luer Right Angled Port

010-639 50

15mm M / 22mm M / 15mm F, Barbed Right Angled Connector

T-Pieces

010-630 50

22M / M / M T-Piece

010-631 50

22mm M / M / F T-Piece

010-633 50

22mm M / M / M T-Piece with Port

010-634 50

22mm M / M / F T-Piece with Port

In-Line Valve

032-10-120 10

In-Line Valve for use with MaxiNeb Nebuliser

Patient Connectors and Accessories

Y-Pieces

010-620 50

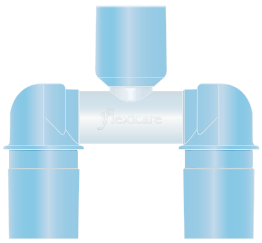
22mm Plain Parallel Y-Piece

010-621 50

22mm Plain Parallel Y-Piece with Monitoring Ports

010-622 50

22mm Parallel Y-Piece with CO_2 Luer Lock Port



010-623 50

22mm Swivel Y-Piece

010-623LS 50

22mm Swivel Y-Piece with LuerSafe connector

020-620 50

15mm Plain Parallel Y-Piece

020-621 50

15mm Y-Piece with Monitoring Ports

020-622 50

15mm Parallel Y-Piece with CO_2 Luer Lock Port

Elbows

010-640 50

Elbow Low Profile 22M / 15F

010-640LS 50

Elbow Low Profile 22M / 15F with LuerSafe Connector

010-641 50

Elbow with Luer Lock Port 22M / 15F

010-642 50

Elbow with Elastomeric Cap for Suction 22M / 15F

010-643 50

Double Swivel Elbow 22M / 15F

Corrugated Tubing

010-645 50

Double Swivel Elbow with Suction Cap 22M / 15F

038-01-225 50m Roll

22mm Corrugated tube. 45cm repeat in dispensing box. 50m

038-01-226 50m Roll

22mm Corrugated tube. 45cm repeat in dispensing box. Low compliance

038-01-227 50m Roll

Blue 22mm Corrugated tube for scavenging. 45cm repeat in dispensing box

038-02-225 50m Roll

15mm Corrugated tube. 45cm repeat in dispensing box

Patient Connectors and Accessories

Monitoring Lines

010-700 25

Monitoring line with
M / M Connectors - 2m Tubing

010-700X 25

Monitoring line with
M / M Connectors - 3m Tubing

010-705 25

Monitoring line with
F / F Connectors - 2m Tubing

010-710 25

Monitoring line with
M / F Connectors - 2m Tubing

010-720 10

LuerSafe Monitoring line
M / M Connectors - 2m Tubing

010-725 10

LuerSafe Monitoring line
M / F Connectors - 2m Tubing

Reservoir Bags (Latex Free)

038-81-830NL	3 Litre Reservoir Bag with 22mm Female Connector	10
038-81-820NL	2 Litre Reservoir Bag with 22mm Female Connector	10
038-82-810NL	1 Litre Reservoir Bag with 22mm Female Connector	10
038-83-805NL	0.5 Litre Reservoir Bag with 22mm Female Connector - Closed Tail	10
038-82-805NL	0.5 Litre Reservoir Bag with 22mm Female Connector - Open Tail	10

Water Traps

010-650 10

Adult
Self Sealing Water Trap

020-650 10

Paediatric
Self Sealing Water Trap

030-650 10

Neonatal
Self Sealing Water Trap

CRITICAL CARE

ICU Ventilator Systems, Humidified Ventilator Systems and Non Invasive Ventilation Breathing Systems

A complete range of ICU circuits, active humidification circuits, CPAP and BiPAP.®

Critical Care

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ICU Ventilator Systems

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Non Invasive Ventilation Breathing Systems

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BiPAP is a registered trademark of Resperonics

ICU Breathing Systems

The range are specifically designed with low compliance tubes for patients requiring ventilation in Intensive Care Units. The range of circuits and accessories offer a full range to meet the demands of patients from standard ventilator circuits to heated wire circuits and humidification chambers. A wide variety of ITU Breathing Systems are offered to meet individual requirements.

Easy to Manage

The parallel Y piece allows for a greater control of the system. The double walled, 22mm M/15mm F patient end connection allows for ease of fitting to Catheter Mounts, Endotracheal Tubes, Laryngeal Masks, Face Masks or Elbows.

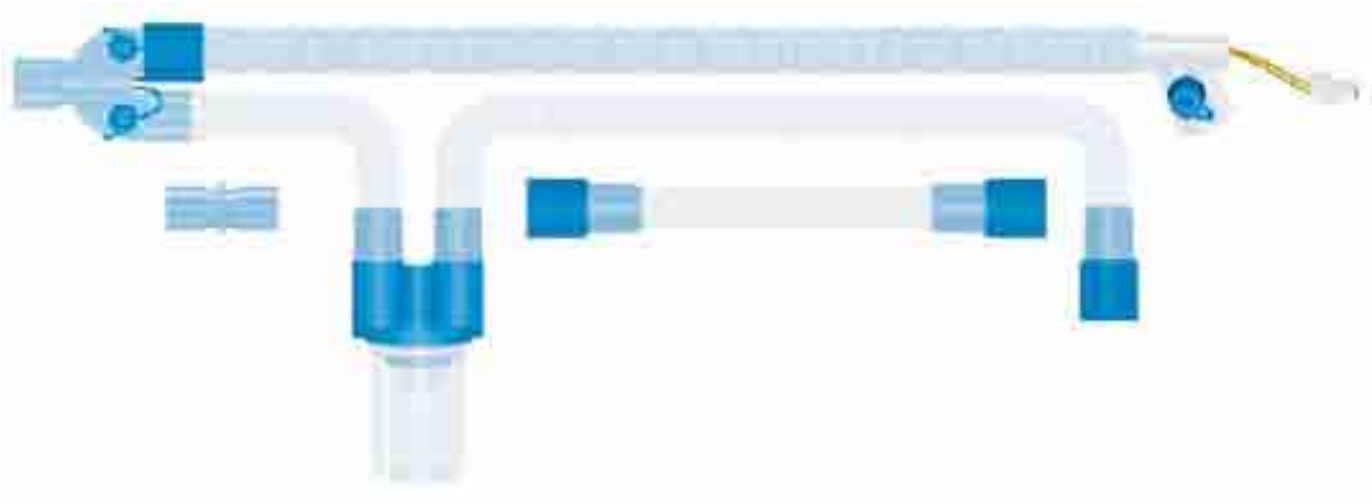
The frosted connection check marks on the connector on the patient side of the Y piece allows for visual inspection, confirming secure attachment.

Low Compliance with reduced Pressure and Drag on the Patient

Low compliance ventilator tubes are made with a high density flexible co-polymer, providing compliance to a level which is required for use with ventilated patients.

Heated Wires

Each heated wire system is tested to ensure it meets the required resistance level.



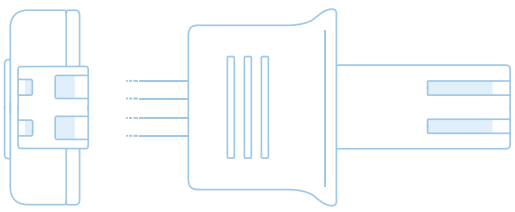
Maximised Water Collection

Self sealing water trap will close when the receiver is removed for contents discharge, hence securing ventilation pressure. The dual action valve inside the water trap prevents collected water flowing back into the system should the container be moved from it's vertical position. Vertical inlet ports enhance gravity induced flow of condensate, maximising water collection from the circuit.

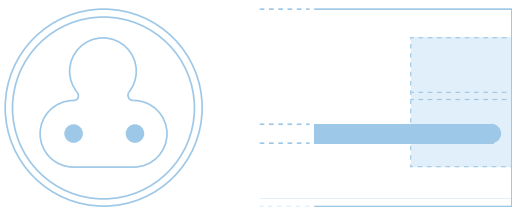
Easy and Secure Fitting

22mm F serrated connectors providing a secure fitting to the machine. Secure hand grip enables easy removal from the machine. Soft, lightweight and flexible material ensures a secure seal while still allowing ease of connection and disconnection.

Flying Lead Connection (standard):



Clover Leaf Connection:

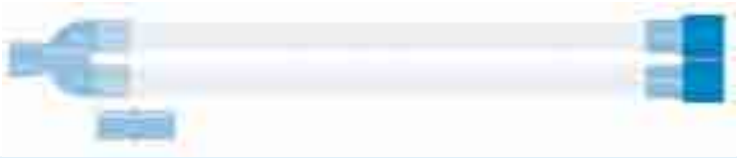


Compatibility

These circuits are available with two types of heated wire connection, (Flying Lead and Clover Leaf) allowing compatibility with Fisher & Paykel™ and the most commonly used humidifiers and ventilators complying with the required standards.

ICU Breathing Systems

Standard Ventilator Breathing System



038-01-130	Standard Ventilator Breathing System (1.6m) 22mm lightweight low compliance corrugated tube with parallel Y piece and 22mm F connectors + spare 22mm M/M connector	20
038-01-132	Standard Ventilator Breathing System (2.4m) 22mm lightweight low compliance corrugated tube with parallel Y piece and 22mm F connectors + spare 22mm M/M connector	20

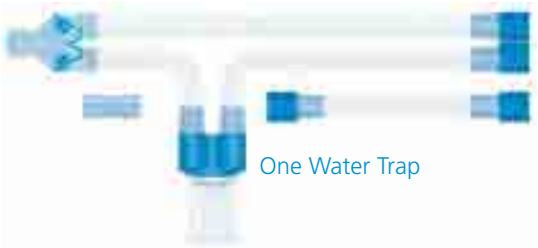
Standard Ventilator Breathing System with Limb

038-01-135	Standard Ventilator Breathing System with limb (1.6m) 22mm lightweight low compliance corrugated tube with parallel Y piece and 22mm F connectors + 0.8m F/F limb + spare 22mm M/M connector	20

Standard Ventilator Breathing System with Monitoring Ports

038-01-140	Standard Ventilator Breathing System with Monitoring Ports (1.6m) 22mm lightweight low compliance corrugated tube with parallel Y piece and 2 monitoring ports, 22mm F connectors + 0.8m F/F limb + spare 22mm M/M connector	20

Standard Ventilator Breathing Systems with Monitoring Ports with Water Trap



One Water Trap

Two Water Traps

038-01-150	Standard Ventilator Breathing System with Monitoring Ports and one Water Trap (1.6m) 22mm lightweight low compliance corrugated tube with parallel Y piece and 2 monitoring ports, 22mm F connectors, one self sealing water trap + 0.8m F/F limb + spare 22mm M/M connector	20
038-01-155	Standard Ventilator Breathing System with Monitoring Ports and two Water Traps (1.6m) 22mm lightweight low compliance corrugated tube with parallel Y piece and 2 monitoring ports, 22mm F connectors, 2 self sealing water traps, + 0.8m F/F limb + spare 22mm M/M connector	20

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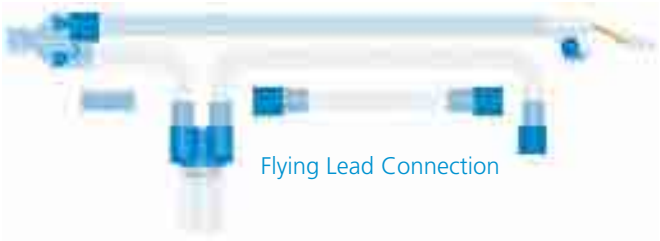
Standard Ventilator Breathing Systems with in-line T-Piece valve and MaxiNeb Nebuliser

038-01-155F	Standard Ventilator Breathing System with In-Line T-Piece Valve and MaxiNeb Nebuliser (1.6m) 22mm lightweight low compliance corrugated tube with parallel Y piece and 2 monitoring ports, In-Line Nebuliser and Valve, 22mm F connectors, two self sealing water traps + 0.8m F/F limb + spare 22mm M/M connector	20

Heated Wire Breathing Systems

Heated Wire Breathing Systems with Water Trap and Monitoring Ports



Flying Lead Connection

Clover Leaf Connection

038-01-160	Heated Wire Breathing System with Water Trap and Monitoring Ports (1.6m) 22mm lightweight low compliance, heat resistant corrugated tube with parallel Y piece, two monitoring ports, 22mm F connectors, self sealing water trap + 0.8m F/F limb + spare 22mm M/M connector. Flying Lead Connection.	20
038-01-163	Heated Wire Breathing System with Water Trap and Monitoring Ports (1.6m) 22mm lightweight low compliance, heat resistant corrugated tube with parallel Y piece, two monitoring ports, 22mm F connectors, self sealing water trap + 0.8m F/F limb + spare 22mm M/M connector. Clover Leaf Connection.	20

Dual Heated Wire Breathing Systems

Flying Lead Connection

Clover Leaf Connection

038-01-161	Dual Heated Wire Breathing System (1.6m) 22mm lightweight low compliance, heat resistant corrugated tube with parallel Y piece, two monitoring ports, 22mm F connectors + 0.8m F/F limb + spare 22mm M/M connector. Flying Lead Connection.	20
038-01-164	Dual Heated Wire Breathing System (1.6m) 22mm lightweight low compliance, heat resistant corrugated tube with parallel Y piece, two monitoring ports, 22mm F connectors + 0.8m F/F limb + spare 22mm M/M connector. Clover Leaf Connection.	20

Humidiÿed Ventilator Systems

Principles of Humidity

Under normal circumstances inspired gas is warmed, filtered and moistened during its passage through the upper airways, a process which is bypassed by endotracheal intubation and tracheostomy exposing the lungs and airways to dry cold gas giving rise to a number of adverse effects including: An increase in Mucus Viscosity, Depressed ciliary activity and Obstruction of the airways by tenacious secretions. Artificial humidification of inspired gases is therefore essential when the upper respiratory tract is bypassed.

Manual and Auto Fill Chambers share the following features:

Compatible with all circuits

22mm connectors allow compatibility with the wide range of circuits available.

Clear construction

Clear construction of the humidification chamber allows constant monitoring of the water.

Heat Transfer

Effective Heat Transfer From Aluminium Base.

Durable

The durable construction means that the chamber is impact resistant.

Gas Flow Diverters

The diverters ensure the patient receives a higher level of humidified air, by maximizing the flow as it passes through the chamber.

Auto-Fill Humidification Chamber

- 210ml Capacity
- The specially designed valve regulates the flow of water into the chamber.

Humidification Chambers

Compatible with Fisher Paykel™ MR850, MR810 and MR880 Humidifiers

MAXIMUM WATER LEVEL
CAUTION
Fill only with sterile water using the heater level marking as a guide.
Refill the chamber before it is totally empty.
Do not exceed maximum peak flow rate of 100-lt/min.

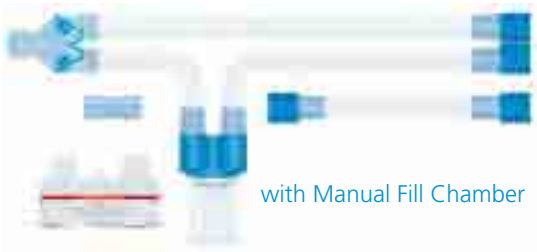
Manual Fill Chamber

Auto Fill Chamber

038-31-750	Manual Fill Humidification Chamber 220ml Capacity	20
038-31-740	Auto Fill Humidification Chamber 210ml Capacity	20

Humidiÿed Ventilator Systems

Ventilator Breathing Systems

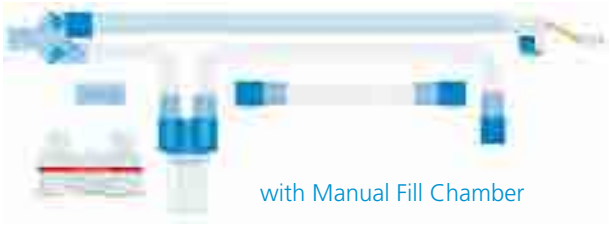


with Manual Fill Chamber

with Auto Fill Chamber

038-31-755	Ventilator Breathing System (1.6m) with Y piece, monitoring ports, water trap and manual fill humidification chamber.	10
038-31-760	Ventilator Breathing System (1.6m) with Y piece, monitoring ports, 2 water traps and manual fill humidification chamber	10
038-31-756	Ventilator Breathing System (1.6m) with Y piece, monitoring ports, water trap and auto fill humidification chamber.	10
038-31-761	Ventilator Breathing System (1.6m) with Y piece, monitoring ports, 2 water traps and auto fill humidification chamber	10

Heated Wire Ventilator Breathing Systems with Flying Lead Connections



with Manual Fill Chamber

with Auto Fill Chamber

038-31-765	Ventilator Breathing System (1.6m) Heated Wire with Y piece, monitoring ports, water trap and manual fill humidification chamber.	10
038-32-765	Paediatric Ventilator Breathing System (1.6m) Heated Wire with Y piece, monitoring ports, 2 water traps and manual fill humidification chamber	10
038-31-767	Ventilator Breathing System (1.6m) Heated Wire with Y piece, monitoring ports, water trap and auto fill humidification chamber.	10
038-32-767	Paediatric Ventilator Breathing System (1.6m) Heated Wire with Y piece, monitoring ports, 2 water traps and auto fill humidification chamber	10

Dual Heated Wire Ventilator Breathing Systems with Flying Lead Connections

with Manual Fill Chamber

with Auto Fill Chamber

038-31-745	Dual Heated Wire Breathing System (1.6m) with Y piece, monitoring ports and manual fill humidification chamber.	10
038-32-747	Paediatric Dual Heated Wire Breathing System (1.6m) with Y piece, monitoring ports and auto fill humidification chamber.	10

Humidiÿed Ventilator Systems

Heated Wire Ventilator Breathing Systems with Clover Leaf Connections

with Manual Fill Chamber

with Auto Fill Chamber

038-31-766	Ventilator Breathing System (1.6m) Heated Wire with Y piece, monitoring ports, water trap and manual fill humidification chamber.	10
038-32-766	Paediatric Ventilator Breathing System (1.6m) Heated Wire with Y piece, monitoring ports, 2 water traps and manual fill humidification chamber	10
038-31-768	Ventilator Breathing System (1.6m) Heated Wire with Y piece, monitoring ports, water trap and auto fill humidification chamber.	10
038-32-768	Paediatric Ventilator Breathing System (1.6m) Heated Wire with Y piece, monitoring ports, 2 water traps and auto fill humidification chamber	10

Dual Heated Wire Ventilator Breathing Systems with Clover Leaf Connections

with Manual Fill Chamber

with Auto Fill Chamber

038-31-746	Dual Heated Wire Breathing System (1.6m) with Y piece, monitoring ports and manual fill humidification chamber.	10
038-32-748	Paediatric Dual Heated Wire Breathing System (1.6m) with Y piece, monitoring ports and auto fill humidification chamber.	10

PEEP Valves, Masks and Accessories

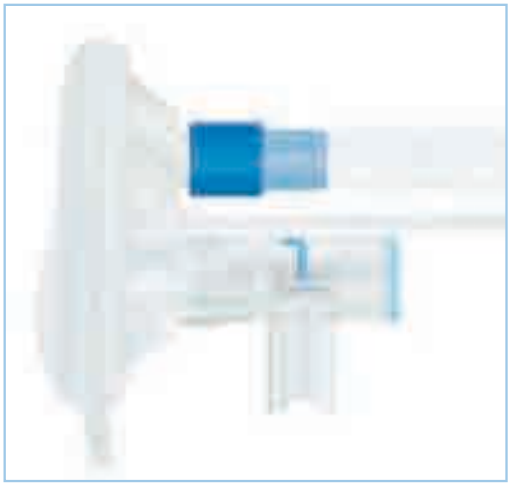
Flexicare has developed a range of Fixed PEEP (Fixed Positive End Expiratory Pressure) valves provided for clinicians to prescribe a given maximum pressure for the patients requirement. The valves are colour coded and denote the pre-determined fixed value of PEEP.

Patients which may be suitable for non invasive ventilation (NIV) may demonstrate:

- Acute exacerbation for COPD
- Asthmatic Patients
- Acute or Chronic Respiratory Failure (including Hypoxaemic Acute Respiratory Failure)
- Mechanical Ventilation Weaning
- Thoracic Restrictive Disease

The PEEP valve is fitted to a specially designed CPAP mask on the lower expiratory port to allow expired gases to be exhaled via fixed value exhalation port.

2.5cm H_2O | 5.0cm H_2O | 7.5cm H_2O | 10cm H_2O | 12.5cm H_2O | 15cm H_2O | 20cm H_2O



Previously the only method for ventilation involved the patient being sedated and intubated. However, with positive pressure, patients with respiratory failure or lung disease can benefit from NIV as this negates the need for intubation and the associated risks outside of the Intensive Care department and for some patients needing long term support, this can be administered in the home environment as well.

The Flexicare CPAP Mask is specifically designed to create a good seal when fitted to the patient whilst providing maximum comfort during use.

Fixed Value PEEP Valves

038-35-902	Fixed Value PEEP Valve 2.5cm H_2O (Black)	25	5
038-35-905	Fixed Value PEEP Valve 5cm H_2O (Blue)	5	5
038-35-907	Fixed Value PEEP Valve 7.5cm H_2O (Yellow)	7.5	5
038-35-910	Fixed Value PEEP Valve 10cm H_2O (Green)	10	5
038-35-912	Fixed Value PEEP Valve 12.5cm H_2O (Pink)	125	5
038-35-915	Fixed Value PEEP Valve 15cm H_2O (Red)	15	5
038-35-920	Fixed Value PEEP Valve 20cm H_2O (Brown)	20	5

Continuous Positive Air Pressure (CPAP) Masks

The CPAP Mask is specifically designed to provide a good seal when fitted to the patient whilst providing maximum comfort.

Inspiratory Safety Valve

Incorporates a safety valve for inspiration should the flow rate be insufficient or if the inspiratory line be occluded.

Contoured Cushion

Conforms to the patients anatomical contour.

Pressure Monitoring Port

Fixation Mounts

Secures the four point harness

Inflation Port

Easily adjusts the cushion pressure to maximize seal and ensure patient comfort.

Clear Construction

Allows for visual inspection of patient

CPAP Masks

038-35-930	Large Adult CPAP Mask	10
038-35-931	Medium Adult CPAP Mask	10

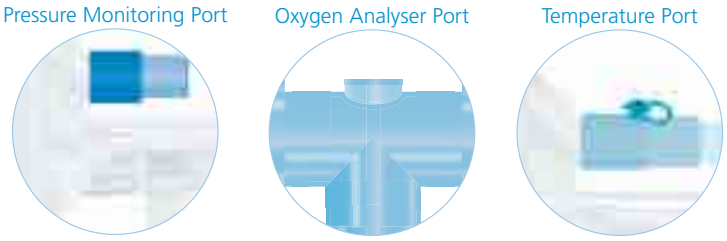
The CPAP Mask head strap is adjustable to accommodate patients requirements with equal interval placements to ensure comfort whilst providing a secure fit. The soft silicone head strap has rounded edges to maximise patient comfort over prolonged periods of use.

CPAP Headstrap

038-35-934	CPAP Mask head strap - Medium	10
038-35-935	CPAP Mask head strap - Large	10

CPAP Breathing Systems

Continuous Positive Airway Pressure (CPAP) is commonly used in critically ill patients with respiratory failure primarily to provide increased blood oxygenation by maintaining PaO2 levels for effective ventilation.



Standard CPAP System

038-35-940	CPAP Breathing System 1.6m with Large Adult Mask, Headstrap, filter & 5cm H_2O PEEP valve (incl pressure line)	5	10

Standard CPAP System with Safety Valve

038-35-941	CPAP Breathing System 1.6m with Large Adult Mask, Headstrap, filter & 5cm H_2O and 20cm H_2O PEEP valve (incl pressure line)	5 20	10

Active Humidification CPAP System

038-35-942	Heated Wire CPAP System 1.6m with Large Adult Mask, Headstrap, filter & 5cm H_2O PEEP valve (incl pressure line)	5	10

Active Humidification CPAP System with Safety Valve

038-35-943	Heated Wire CPAP System 1.6m with Large Adult Mask, Headstrap, filter & 5cm H_2O and 20cm H_2O PEEP valve (incl pressure line)	5 20	10

Non Invasive Ventilation Breathing Systems

Complete Active Humidification CPAP System

038-35-944	CPAP Heated Wire System 1.6m with Large Adult Mask, Headstrap, Autofill Chamber, filter & 5cm H_2O PEEP valve (incl pressure line)	5	10

Complete Active Humidification CPAP System with Safety Valve

038-35-945	CPAP Heated Wire System 1.6m with Large Adult Mask, Headstrap, Autofill Chamber, filter & 5cm H_2O and 20cm H_2O PEEP valve (incl pressure line)	5 20	10

Basic CPAP T-Piece System

038-35-950	Basic CPAP T-Piece System 2.4m		10

Standard CPAP T-Piece System

038-35-952	Heated Wire CPAP T-Piece System 2.4m with 5cm H_2O PEEP valve and filter	5	10

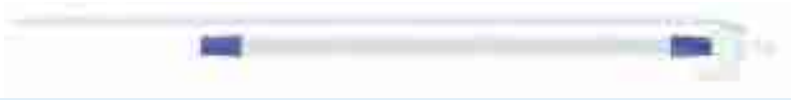
Standard CPAP T-Piece System with Safety Valve

038-35-954	Heated Wire CPAP T-Piece System 2.4m with 5cm H_2O and 10cm H_2O PEEP valves, Autofill Chamber and filter	5 20	10

Non Invasive Ventilation Breathing Systems

Intermittent Positive Pressure Breathing (IPPB) Breathing Systems

Standard IPPB System



038-35-310	Smooth Bore 1.6m Breathing System with exhalation valve and line	10

Standard IPPB System with Monitoring Line

038-35-312	Smooth Bore 1.6m Breathing System with exhalation valve and line	10

IPPB Cold Humidification System

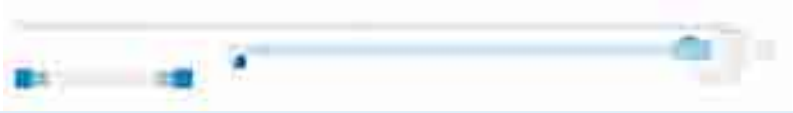
038-35-314	Smooth Bore 1.6m Breathing System with exhalation valve, line, water trap and Limb	10

IPPB Cold Humidification System with Monitoring Line

038-35-316	Smooth Bore 1.6m Breathing System with exhalation valve, line, water trap and Limb	10

BiPAP is a registered trademark of Resperonics

Heated Wire IPPB System



038-35-318	Heated Wire 1.6m Breathing System with exhalation valve, line and limb	10

Heated Wire IPPB System with Monitoring Line

038-35-320	Heated Wire 1.6m Breathing System with exhalation valve, line with pressure line and limb	10

Universal IPPB System

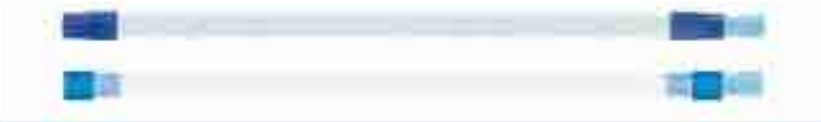
038-35-322	Nebulising IPPB circuit, Smooth Bore 1.6m Breathing System with exhalation vale, line & nebuliser	10

Universal IPPB System

038-35-323	Nebulising IPPB circuit, corrugated tube 1.6m Breathing System with exhalation vale, line & nebuliser	10

Bi Level Positive Airway Pressure (BiPAP)

Basic BiPAP System



038-35-290	Smooth Bore 1.6m Breathing System with exhaust port	10
038-35-291	As above with 22mm corrugated tube	10

Standard BiPAP System with Monitoring Line

038-35-292	Smooth Bore 1.6m Breathing System with exhaust port and Pressure monitoring line	10
038-35-295	As above with 22mm corrugated tube	10

Standard BiPAP System with Split Monitoring Line

038-35-293	Smooth Bore 1.6m Breathing System with exhaust port and Pressure monitoring line	10
038-35-297	As above with 22mm corrugated tube	10

NEONATAL BREATHING SYSTEMS

Neonatal Breathing Systems

Caring for our most delicate patients, Flexicare has developed a full range of ITU Breathing systems, Nasal Cannula, Anaesthetic accessories, Laryngoscopes, Endotracheal tubes and Resuscitators suitable for neonatal care.

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Neonatal Universal Heated Wire Breathing Systems 81

Neonatal Dual Heated Wire Breathing Systems 82

Neonatal Nitric Oxide Adaptor Kit 82

Humidification Chambers 82

Neonatal Breathing Systems

The range of neonatal circuits for use in the NICU provides choice of active or passive humidification.

Low Dead Space Neonatal Y-Piece

Very low dead space and rounded design reduces the risk of rebreathing (5.5 cubic cm/ml). The self sealing suction port allows for suctioning the patient without affecting the delivery of fresh gases.

Pressure Line

Fitted to the centre of the Y-Piece, it will measure the pressure in the circuit providing the most accurate information.

Self Seal Water Trap

The self sealing water trap incorporates a non-return valve that protects against the accidental flow of any liquids from the water trap into the circuit.

Heated Wire Limb

The inspiratory heated wire limb maintains the temperature and humidified fresh gases to the point of delivery at the patient end whilst reducing condensation in the circuit. This allows for saturated fresh gases to be delivered to the patient at the required temperature. Dual heated wire option is available to reduce condensation in the expiratory limb.

10mm Corrugated Tubing

The 10mm corrugated tubing with shallow corrugations reduces the resistance to flow while maintaining a low compliance and allowing for fast delivery of fresh gases to the patient. The lightweight of the tubing minimizes the drag on the patient. The structure of the 10mm corrugated tube allows the use of the circuit with oscillating ventilators.

Monitoring Port

The detachable monitoring port can be moved close to the y-piece or moved further away when the circuit is used with incubated patients.

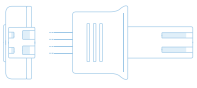
15mm Connectors

The neonatal range of circuits have standard fitting 15mm connectors.

Choice of heated wire connector

There are two different heated wire connectors to fit the specific humidifiers available.

Flying Lead Connection Clover Leaf Connection



Neonatal Breathing Systems

Neonatal Cold Humidification Breathing System

038-03-315	Neonatal Cold Humidification Breathing System with temperature port and pressure line. 10mm 1.8m corrugated tube with neonatal y-piece, pressure line, water trap, 4 flexible 15M/F connectors and 0.5m spare limb	20
038-03-315C	As above with auto-fill humidification chamber	20

Neonatal Universal Heated Wire Breathing System with Flying Lead Connection

038-03-310	Neonatal Universal Heated Wire Breathing System with detachable inspiratory and expiratory temperature ports and pressure line (for use with incubators) 10mm 1.8m corrugated tube with neonatal y-piece, pressure line, water trap, 4 flexible connectors and 0.5m spare limb with flying lead connection	20
038-03-310C	As above with auto-fill humidification chamber	20

Neonatal Universal Heated Wire Breathing System with Clover Leaf Connection

038-03-311	Neonatal Universal Heated Wire Breathing System with detachable inspiratory and expiratory temperature ports and pressure line (for use with incubators) 10mm 1.8m corrugated tube with neonatal y-piece, pressure line, water trap, 4 flexible connectors and 0.5m spare limb with clover leaf connection	20
038-03-311C	As above with auto-fill humidification chamber	20

Neonatal Heated Wire Breathing System with Clover Leaf Connection

038-03-340	Neonatal Heated Wire Breathing System with inspiratory temperature port and pressure line. 10mm corrugated tube with neonatal y-piece, pressure line, water trap, 2 flexible 15M/F connectors and 2 x 0.5m spare limbs with clover leaf connector	20
038-03-340C	As above with auto-fill humidification chamber	20

Neonatal Breathing Systems

Neonatal Heated Wire Breathing System with Flying Lead Connection

038-03-341	Neonatal Heated Wire Breathing System with inspiratory temperature port and pressure line. 10mm corrugated tube with neonatal y-piece, pressure line, water trap, 2 flexible 15M/F connectors and 2 x 0.5m spare limbs with flying lead connector	20
038-03-341C	As above with auto-fill humidification chamber	20

Neonatal Dual Heated Wire Breathing System with Flying Lead Connection

038-03-345	Neonatal Dual Heated Wire Breathing System with inspiratory and expiratory temperature ports, and pressure line with flying lead connector	20
038-03-345C	As above with auto-fill humidification chamber	20

Neonatal Dual Heated Wire Breathing System with Clover Leaf Connection

038-03-346	Neonatal Dual Heated Wire Breathing System with inspiratory and expiratory temperature ports, and pressure line with clover leaf connector	20
038-03-346C	As above with auto-fill humidification chamber	20

Neonatal Nitric Oxide Adapter Kit

038-03-100	Neonatal Nitric Oxide Adapter Kit	20

Humidification Chambers

MAXIMUM WATER LEVEL
CAUTION
Fill only with sterile water using the heater level marking as a guide.
Refill the chamber before it is totally empty.
Do not exceed maximum peak flow rate of 100-l./min.

Manual Fill Chamber

Auto Fill Chamber

038-31-750	Manual Fill Humidification Chamber 220ml Capacity	20
038-31-740	Auto Fill Humidification Chamber 210ml Capacity	20

BREATHING FILTERS

LuerSafe, VentiShield Bacterial / Viral Filters, ThermoShield HMEF's, HepaShield, Filters and HME's

The range of Breathing Filters and HMEF's include Adult Electrostatic Breathing Filters and HMEF's, Mini Electrostatic Breathing Filters and HMEF's, Adult and Paediatric Pleated Hydrophobic Bacterial / Viral Filters.

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LuerSafe
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VentiShield Bacterial / Viral Filters
Mini VentiShield Filters ____ 87
Adult VentiShield Filters ____ 87

ThermoShield HMEF's
Mini ThermoShield HMEF's ____ 88
Adult ThermoShield HMEF's ____ 89
Neonatal ThermoShield HME ____ 89

HepaShield
HepaShield Mechanical Filters ____ 90

Other Filters and HMEs
ThermoTrach Heat & Moisture Exchanger ____ 91
Pulmonary Function Test Filter ____ 91

LuerSafe

The primary objective of breathing filters is to stop bacteria and viruses being transferred to and from the patient and preventing cross infection. Electrostatic filters achieve this by holding onto micro-organisms through the static electric charge in the medium. The pleated paper filter also known as a mechanical filter achieves this by tightly packed layers of mixed strands of glass fibres physically preventing bacteria and viruses from passing through.

Properties of Filters and HMEF's

When considering filters a number of important properties should be taken into account and these are:

1. Filtration Efficiency

As many as 10-15% of intubated patients develop pneumonia at a level of 1-3% per day of intubation. These pneumonia's may prolong hospital stays by 4-9 days and contribute to as many as 15% of all hospital deaths.

From this, it is evident that filtration efficiency is paramount to protect the patients and ventilators from cross contamination. Flexicare filters maintain protection against bacteria and viruses at a very high level of efficiency. This level of effectiveness is independently tested and verified by the Health Protection Agency at Porton Down Salisbury, giving confidence in our filter properties. Flexicare filters maintain there high level of efficiency during the recommended period of use.

2. Light Weight and Ergonomically Shaped

Flexicare Filters and HMEF's designs provide a rounded ergonomic shape to prevent pressure marking or discomfort for the patient. They are of light weight design thus reducing drag on breathing systems and are made of clear material allowing visual observation in terms of potential obstructions.

3. Humidification Abilities

To counteract the risk of actelectasis, epithelial damage and reduction of mucocillary transport, adequate humidification should be provided to long term intubated patients. HMEF's may not only act against these factors by providing humidification, their use is also thought to reduce the incidence of late onset Ventilator Associated Pneumonia compared to heated wire systems.

It is recommended that HMEF humidification levels should be at least 30mg/L H_2O at an inspired air temperature of 30°C. All Flexicare HMEF's exceed this minimum by providing a maximum moisture output performance of 32.3mg/L H_2O as independently tested and verified by the Medical Device Agency (MDA). [4]

4. Minimal Dead Space and Minimal Pressure Drop

Design of the filter housing must provide the smallest dead space possible whilst at the same time allowing a good gas flow with minimal resistance (pressure drop) through the filter media. The design of Flexicare Filters and HMEF's has incorporated a balance of these critical requirements to create a filter with minimal resistance to flow while maintaining a low dead space.

without port

with tethered cap

with LuerSafe connection

All the values stated in the product specifications are supported by independent test results. The efficiency of the Flexicare and HepaShield filter is tested by the Health Protection Agency at Porton Down, Salisbury, UK. Testing was done for bacterial and viral efficiency using Bacillus Subtillis and MS-2 Coliphage. Moisture output and resistance were tested independently by MeDEC, Wales College of Medicine .

LuerSafe™

LuerSafe breathing filters incorporate a unique cap-less self sealing luer port which will only accept the correct corresponding colour coded LuerSafe monitoring line. This in turn will open the valve and provide uninterrupted flow to sample CO_2 levels when connected.

LuerSafe eliminates erroneous misconnections to standard luer connections such as IV tubing or other connectors ensuring a correct connection to the monitoring port only.

Cap-less Design

The self sealing valve prevents air flow in and out of the filter when a monitoring line is not connected, eliminating the need to have a cap to be manually fixed and removed.

Colour Coded Valve

The LuerSafe Valve is visibly seen through the filter housing by its distinctive orange colour which can be easily matched to the correct corresponding colour coded monitoring line connector.

Unique Design Luer Port

Eliminating the risk of misconnection by not accepting a standard luer connector. The unique size only fits the LuerSafe monitoring line identified by the colour coded connector.

To connect a CO_2 monitoring line to a LuerSafe filter, locate the orange colour coded LuerSafe Monitoring Line Connector.

Insert the connector into the LuerSafe Port and rotate in a clockwise direction, depressing the valve until a secure lock is reached.

Verify that CO_2 readings are visible

To remove, unscrew the monitoring line and the valve will self seal.

VentiShield™

Electrostatic Filters

Electrostatic filters use a medium constructed of permanently bipolar charged rectangular split fibres which are able to capture airborne particles. This type of filter is recommend for applications where high efficiency and low pressure drop is required. It offers excellent efficiency for anaesthetic breathing filters and pulmonary filters.

The adult VentiShield range of filters provide 99.999% efficiency within a compact, light weight rounded design ideal for patient end use with an ET Tube or Laryngeal Mask Airway.

Universal Connections

The 22M/15F connectors comply to BS EN ISO 5356 standard.
The design of the filter connectors prevents fitting of filter in the wrong direction within the system.

Reduced Drag on Breathing System

The light weight of Ventishield filters and HMEF reduces the drag on breathing system.

Reduced Risk of Pressure Mark

The rounded shape with no sharp edges, reduces the risk of leaving pressure marks on the patient.

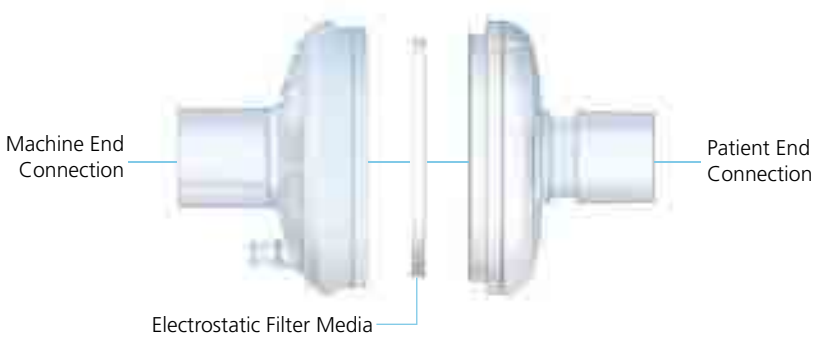
Wide choice available with LuerSafe port, standard luer lock port or without port.

LuerSafe

Tethered Cap

Without Port

Construction of Adult Electrostatic Breathing Filter



Available as a sterile packed product

VentiShield

Adult VentiShield Filter

	038-41-360	038-41-340	038-41-365	038-41-345	038-41-365LS	038-41-345LS	038-41-366	038-41-366LS
Efficiency	99.999%	99.999%	99.999%	99.999%	99.999%	99.999%	99.999%	99.999%
Resistance 30L/min	1.2cm H_2O	1.4cm H_2O	1.2cm H_2O	1.4cm H_2O	1.2cm H_2O	1.4cm H_2O	1.5cm H_2O	1.5cm H_2O
Dead Space	69ml	62ml	69ml	62ml	69ml	62ml	76ml	76ml
Recommended V_T	210ml	190ml	210ml	190ml	210ml	190ml	220ml	220ml
Weight	30g	31g	32g	33g	33g	31g	38g	38g
CO_2 Port	None	None	Tethered	Tethered	LuerSafe	LuerSafe	Tethered	LuerSafe

038-41-360

038-41-340

038-41-365

038-41-345

038-41-365LS

038-41-345LS

038-41-366

038-41-366LS

038-41-360	Adult Bacterial / Viral Filter	50
038-41-340	Adult Angled Bacterial / Viral Filter	50
038-41-365	Adult Bacterial / Viral Filter (with tethered cap port)	50
038-41-345	Adult Angled Bacterial / Viral Filter (with tethered cap port)	50
038-41-365LS	LuerSafe Adult Bacterial / Viral Filter (with self sealing port)	50
038-41-345LS	LuerSafe Adult Angled Bacterial / Viral Filter (with self sealing port)	50
038-41-366	Adult Bacterial / Viral Filter (with tethered cap port) + Low Profile Elbow (22M/15F)	50
038-41-366LS	LuerSafe Adult Bacterial / Viral Filter (with self sealing port) + Low Profile Elbow (22M/15F)	50

Mini VentiShield Filter

	038-42-360	038-42-365	038-42-365LS	038-42-366	038-42-366LS
Efficiency	99.99%	99.99%	99.99%	99.99%	99.99%
Resistance 30L/min	1.9cm H_2O	1.9cm H_2O	1.9cm H_2O	2.2cm H_2O	2.2cm H_2O
Dead Space	28ml	28ml	28ml	35ml	35ml
Minimum Recommended V_T	90ml	90ml	90ml	110ml	110ml
Weight	19g	21g	21g	28g	28g
CO_2 Port	None	Tethered	LuerSafe	Tethered	LuerSafe

038-42-360

038-42-365

038-42-365LS

038-42-366

038-42-366LS

038-42-360	Mini Bacterial / Viral Filter	50
038-42-365	Mini Bacterial / Viral Filter (with tethered cap port)	50
038-42-365LS	LuerSafe Mini Bacterial / Viral Filter	
038-42-366	Mini Bacterial / Viral Filter (with tethered cap port) + Low Profile Elbow (22M/15F)	50
038-42-366LS	LuerSafe Mini Bacterial / Viral Filter (with self sealing port) + Low Profile Elbow (22M/15F)	50

ThermoShield™

HMEFs

HMEs use the patients own moisture and humidity from expiration to humidify anaesthetic gases during inspiration. When a patient is intubated, the upper airway is bypassed and results in a loss of humidification of inspired air. Dry gases can have adverse effects and thus to prevent causing the patient trauma HMEF's play the role of acting as the humidifier in lieu of the upper airway. To counter act the risk of actelectasis, epithelial damage and reduction of mucocillary transport, adequate humidification should be provided to long term intubated patients

ThermoShield HMEFs provide a high moisture output protecting patients against the adverse effects of prolonged dry gas exposure.

Universal Connections

The 22M/15F connectors comply to BS EN ISO 5356 standard. The design of the filter connectors prevents fitting of filter in the wrong direction within the system.

Secure Luer Lock

The tethered Luer Lock cap is a push fit design which is easy to operate and secured with a strap, eliminating the risk of misplacement or accidental loss.

Reduced Risk of Pressure Mark

The rounded shape with no sharp edges, reduces the risk of leaving pressure marks on the patient.

Adult ThermoShield Filter

	038-41-350	038-41-330	038-41-355	038-41-335	038-41-355LS	038-41-335LS	038-41-356	038-41-357	038-41-359
Efficiency	99.999%	99.999%	99.999%	99.999%	99.999%	99.999%	99.999%	99.999%	99.999%
Humidification	32mg/l air	32mg/l air	32mg/l air	32mg/l air	32mg/l air	32mg/l air	32mg/l air	32mg/l air	32mg/l air
Resistance 30L/min	1.4cm H_2O	1.7cm H_2O	1.4cm H_2O	1.7cm H_2O	1.4cm H_2O	1.7cm H_2O	2.0cm H_2O	2.0cm H_2O	3.1cm H_2O
Dead Space	69ml	62ml	69ml	62ml	69ml	62ml	76ml	96ml	87-105ml
Min Recom V_T	210ml	190ml	210ml	190ml	210ml	190ml	230ml	300ml	270ml
Weight (g)	39g	38g	41g	40g	41g	40g	45g	55g	59g
CO_2 Port	None	None	Tethered	Tethered	LuerSafe	LuerSafe	Tethered	Tethered	Tethered

038-41-350

038-41-330

038-41-355

038-41-335

038-41-355LS

038-41-335LS

038-41-350	Adult Bacterial / Viral Filter + HME	50
038-41-330	Adult Angled Bacterial / Viral Filter + HME	50
038-41-355	Adult Bacterial / Viral Filter + HME (with tethered cap port)	50
038-41-335	Adult Angled Bacterial / Viral Filter + HME (with tethered cap port)	50
038-41-355LS	LuerSafe Adult Bacterial / Viral Filter + HME (with self sealing port)	50
038-41-335LS	LuerSafe Adult Angled Bacterial / Viral Filter + HME (with self sealing port)	50

ThermoShield HMEF's

038-41-356

038-41-357

038-41-359

038-41-356	Adult Bacterial / Viral Filter + HME (with tethered cap port) + Low Profile Elbow (22M/15F)	50
038-41-357	Adult Bacterial / Viral Filter + HME (with tethered cap port) + 15mm tube + Low Profile Elbow (22M/15F)	50
038-41-359	Adult Bacterial / Viral Filter (with tethered cap port) + Expandable Catheter Mount with Double Swivel Elbow & Elastomeric Cap	50

Mini ThermoShield Filter

	038-42-350	038-42-355	038-42-355LS	038-42-356	038-42-356LS	038-42-357
Efficiency	99.99%	99.99%	99.99%	99.99%	99.99%	99.99%
Humidification	31mg/l air	31mg/l air	31mg/l air	31mg/l air	31mg/l air	31mg/l air
Resistance 30L/min	3.0cm H_2O	3.0cm H_2O	3.0cm H_2O	3.1cm H_2O	3.1cm H_2O	4.0cm H_2O
Dead Space	28ml	28ml	28ml	35ml	35ml	46-64ml
Recommended V_T	90ml	90ml	90ml	105ml	105ml	150ml
Weight	22g	25g	25g	32g	32g	45g
CO_2 Port	None	Tethered	LuerSafe	Tethered	LuerSafe	Tethered

038-42-350

038-42-355

038-42-355LS

038-42-356

038-42-356LS

038-42-357

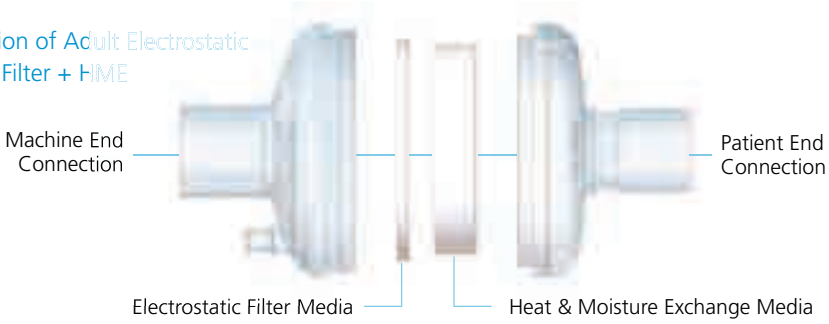
038-42-350	Mini Bacterial / Viral Filter + HME	50
038-42-355	Mini Bacterial / Viral Filter + HME (with tethered cap port)	50
038-42-355LS	LuerSafe Mini Bacterial / Viral Filter + HME (with self sealing port)	50
038-42-356	Mini Bacterial / Viral Filter + HME (with tethered cap port) + Low Profile Elbow (22M/15F)	50
038-42-356LS	LuerSafe Mini Bacterial / Viral Filter + HME (with self sealing port) + Low Profile Elbow (22M/15F)	50
038-42-357	Mini Bacterial / Viral Filter (with tethered cap port) + Expandable Catheter Mount with Double Swivel Elbow & Elastomeric Cap	50

Neonatal HME

	Humidification	Resistance	Dead Space	Weight
038-43-150	28mg/l air	0.3cm H_2O at 7.5L/min	2.1ml	3.6g

038-43-150	Neonatal HME Sterile	25

Construction of Adult Electrostatic Breathing Filter + HME



Available as a sterile packed product

Adult Pleated Hydrophobic Bacterial / Viral Filters

HepaShield is a mechanical filter with 99.99999% efficiency providing superior filtration. The pleated filter media is specifically packed to maximise flow of gases through the filter casing to ensure that the surface area is fully utilised.

HepaShield™

Universal Connection

The 22M/15F connectors comply to BS EN ISO 5356 standard.

Secure Luer Lock

The tethered Luer Lock cap is of a push fit design which is easy to operate and is secured with a strap, eliminating the risk of misplacement or accidental loss.

Reduced Risk of Pressure Mark

The rounded edges of the filter reduce the risk of leaving pressure marks on the patient.

Reduced Drag on Breathing Systems

The weight of HepaShield reduces the drag on Breathing Systems.

	038-41-370	038-41-375	038-41-376	038-42-380	038-42-385	038-42-386
Efficiency	99.99999%	99.99999%	99.99999%	99.99999%	99.99999%	99.99999%
Humidification	25mg/l air	25mg/l air	25mg/l air	25mg/l air	25mg/l air	25mg/l air
Resistance 30L/min	1.4cm H_2O	1.4cm H_2O	1.4cm H_2O	2.7cm H_2O	2.7cm H_2O	2.8cm H_2O
Dead Space	50ml	50ml	74-85ml	38ml	38ml	56-74ml
Minimum V_T	250ml	250ml	250ml	120ml	120ml	180ml
Weight	42g	43g	61g	26g	29g	47g
CO_2 Port	None	Tethered	Tethered	None	Tethered	Tethered

Adult Pleated Hydrophobic Bacterial / Viral Filter

038-41-370

038-41-375

038-41-376

038-41-370	Adult Pleated Hydrophobic Bacterial / Viral Filter	50
038-41-375	Adult Pleated Hydrophobic Bacterial / Viral Filter (with tethered cap port)	50
038-41-376	Adult Pleated Hydrophobic Bacterial / Viral Filter(with tethered cap port)+ Expandable Catheter Mount with Double Swivel Elbow + Elastomeric Cap	50

Paediatric Pleated Hydrophobic Bacterial / Viral Filter

038-42-380

038-42-385

038-42-386

038-42-380	Paediatric Pleated Hydrophobic Bacterial/ Viral Filter	50
038-42-385	Paediatric Pleated Hydrophobic Bacterial / Viral filter (with tethered cap port)	50
038-42-386	Paediatric Pleated Hydrophobic Bacterial / Viral Filter (with tethered cap port) + Catheter Mount with Plain Elbow (22M/15F)	50

ThermoTrach™

ThermoTrach™ Heat and Moisture Exchanger

Heat Moisture Exchanger (HME) for spontaneous breathing patients, for use with a tracheostomy tube.

15mm Female Connector

The standard 15mm connector can be used with all tracheostomy tubes.

Clear Construction

Allows for visual inspection of potential build up of secretions which can block the airway.

Self Sealing Suction Port & Integral Cough Vent

The integrated self sealing suction port provides ease of inserting a suction catheter. The vent can open during vigorous coughing, allowing the thick mucosal secretions to be expelled, avoiding blocking of the airway.

Swivel Oxygen Connector

The ThermoTrach swivel oxygen connector allows for supplementary oxygen tubing to be connected and placed in the most comfortable position for the patient, reducing the risk of disconnection, kinking and patient drag.

Anatomical Curved Design

The curved design follows the contour of the neck.

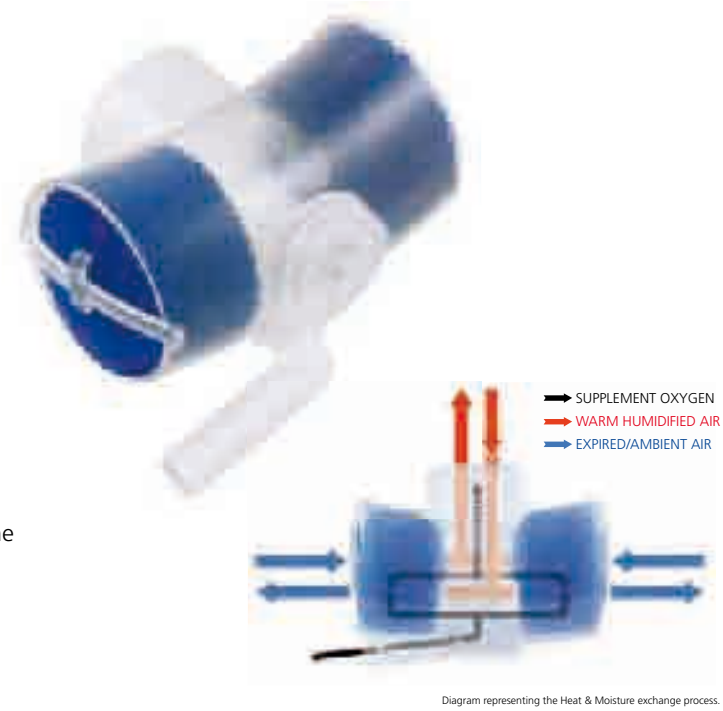


Diagram representing the Heat & Moisture exchange process.

Moisture Return	32.0mg H_2O at 15 breath/min
Volume/Dead Space	17ml

Resistance	0.11cm H_2O at gas flow rate 30L/min 1.0cm H_2O at gas flow rate 60L/min
Weight	5.1g

038-41-250	Thermotrach Heat and Moisture Exchanger	50

Pulmonary Function Test Filter

Protecting both patient and pulmonary function testing equipment, the PFT Filter reduces the risk of cross-contamination between patients and equipment with minimal resistance to ensure that the test results are as accurate as possible. Reducing the risk of transmitting respiratory pathogens with the use of the Flexicare PFT Filter during normal breathing or forced vital capacity testing meets the ATS recommendations for resistance in PFT equipment.

- Single Patient Use
- Low Resistance
- Cost Effective
- Nose Clip

Efficiency	99.99999%
Resistance	0.4cm H_2O at 30L/min 1.0cm H_2O at 60L/min
Volume/Dead Space	135ml
Weight	41g
Height	250ml

038-41-395	Pulmonary Function Test Filter	50
038-41-394	Nose Clip for use with Pulmonary Function Test Filter	50

Recommended Reading

1. Hedley RM, Allt-Graham J.
Heat and moisture exchangers and breathing filters.
Br J Anaesth 1994, 73:227-236

2. Le Bourdelles G, Mier L, Fiquet B, et al.
Comparison of the effects of heat and moisture exchangers and heated humidifiers on ventilation and gas exchangers during weaning trials from mechanical ventilation.
Chest 1996, 110:1294-1298

3. Ackerstaff AH, Hilgers FJ, Aaronson NK, et al.
Improvements in respiratory and psychosocial functioning following total laryngectomy by the use of a heat and moisture exchanger. Ann Otol Rhinol Laryngol 1993;102:878-83

4. Pelosi P, Solca M, Ravagnan I, et al.
Effects of heat and moisture exchangers on minute ventilation, Ventilatory drive, and work of breathing during pressure-support ventilation in acute respiratory failure. Crit Care Med 1996, 24:1184-1188 Br. J Anaesth, jan 1, 2003;90 (1): 1-3

5. Djedaini K, Billiard M, Mier L, et al.
Changing heat and moisture exchangers every 48 hours rather than 24 hours does not affect their efficacy and the incidence of nosocomial pneumonia. Am J Crit Care Med 1995, 152:1562-1569

6. Roustan JP.Kielan J, Aubas P, du Cailar J.
Comparison of hydrophobic heat and moisture exchangers with heated humidifier during prolonged mechanical ventilation. Intens Care Med 1992, 18:97-100

7. Thomachot L, Vialet R, Viguier JM, et al.
Efficacy of heat and moisture exchangers after changing every 48 hours rather than 24 hours. Crit Care Med 1998, 26:477-488

8. Conti G, Dr Blasi RA, Rocco M. et al.
Effects of the heat-moisture exchangers on dynamic hyperinflation of mechanically ventilated COPD patients.
Intens Care Med 1990, 16:144-443

References

1. Skerit S.J. Associate Professor of medicine, Division of pulmonary & Critical Care Medicine, University of Washington. Seattle, USA.

2. Kirton et al(1997) Aprospective Randomised comparison of an inline Heat and Moisture Exchanger filter and heated wire Humidifiers chest/112/4/October 1997

3. American Association of Respiratory Care AARC, Respiratory 1992; 887-890 (N.B There is no International Standard BS EN ISO 9360-1:2000

4. MDA Breathing Systems Evaluation 02069

OXYGEN & AEROSOL THERAPY

Fixed and Variable Concentration, Post Operative and Aerosol Therapy

Flexicare's Oxygen and Aerosol Therapy products include Variable Concentration Oxygen Masks, Fixed Concentration Oxygen Masks, Post Operative Oxygen Therapy, Nebulisers and Nebuliser Kits

Oxygen and Aerosol Therapy

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Principles of Oxygen Therapy

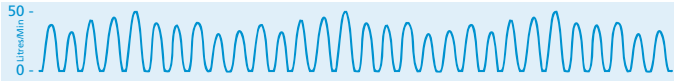
Oxygen is the most important single substance in animal biology. It constitutes nearly 50% of the mass of our planet, 21% of the air we breathe, 50% of rock and 89% of water. Yet it took man a surprisingly long time to discover the significance of oxygen in terms of combustion, respiration and animal metabolism. Oxygen is essential for normal respiration in aerobic organisms. Upon entering the lungs, O_2 molecules dissolve in the lipid and aqueous phase of tissues and diffuses across alveolar membranes and into alveolar capillaries. The vast majority of oxygen is bound to haemoglobin and only a small fraction, less than 2% is dissolved in the plasma. Following the transport to various tissues, oxygen diffuses into the cells for metabolism.

Oxygen Administration Methods

Oxygen therapy devices for the spontaneously breathing patient fall into two categories, Variable Performance and Fixed Performance.

1. Variable Performance

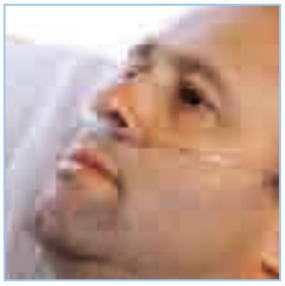
These devices administer uncontrolled oxygen therapy, because the patient creates the inspired mixture by the act of breathing. Examples of these are nasal catheters, nasal cannulae and mask shells with or without a rebreathing bag (see pictures below). Various factors cause unpredictability in knowledge and control of inspired oxygen concentration when using these devices. Firstly, because the oxygen flow is less than the patient's inspiratory flow, the patient obtains some oxygen and some air, but in unknown proportion because normal breathing has an irregular pattern:



The resulting oxygen concentration varies not only on a breath by breath basis, but also from patient to patient. Secondly, the size of the mask, size and placement of the vents and fit of the mask to the face will cause variation in inspired oxygen concentrations.

Variable Performance Devices:

Low Capacity Mask Shell


Nasal Cannula

High Capacity Systems

Nasal Catheter

The disadvantage of using a variable performance device is that blood gas values cannot be easily interpreted since they only reflect performance variation of the mask/patient interface rather than a true change in the condition of the lungs under treatment.

2. Fixed Performance

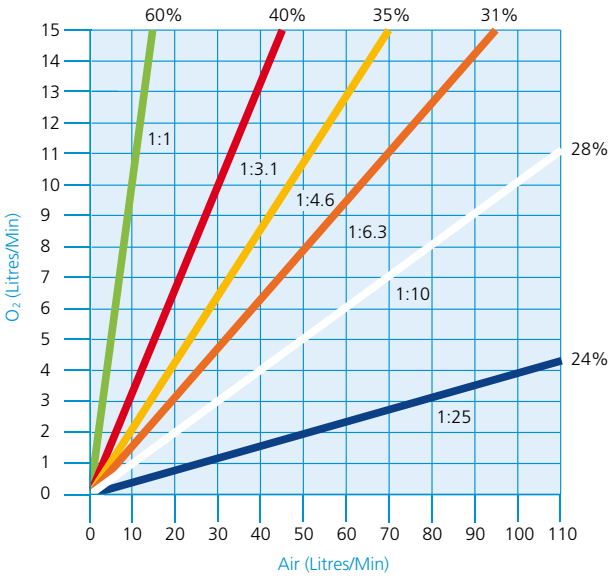
These devices allow controlled (known, fixed and selectable) oxygen dosage. They create a constant proportion of air/oxygen mixture in excess of patient inspiratory flow rate and are independent of patient factors or fit to the face. With gas flow constantly in excess of patient demand and with enhanced CO_2 washout, rebreathing is virtually eliminated.

Fixed Performance Devices:

To work efficiently and to prevent air dilution a fixed performance device should incorporate:
a) A large volume face piece (not less than 280ml)
b) Gas mixture flowing directly towards the nose and mouth
c) Vents positioned well away from the patient airway.
Fixed performance devices are sometimes referred to as venturi or air entrainment masks.

Calculating total gas mixture flow rates

Using the mixture graph below, the total gas flow rate available to the patient can be assessed.



Principles of Aerosol Therapy

Medication Nebulisers - also referred to as small volume or jet nebulisers (SVN) are devices used to turn medication into an aerosolized mist to deliver directly into the patient's lungs. Inhaled aerosols have considerable advantages in the treatment of many lung diseases including bronchitis and cystic fibrosis. The required dose is much smaller compared to that taken systemically and the side effects are therefore negligible. The onset of the action is quicker, and the drug itself is more selective.

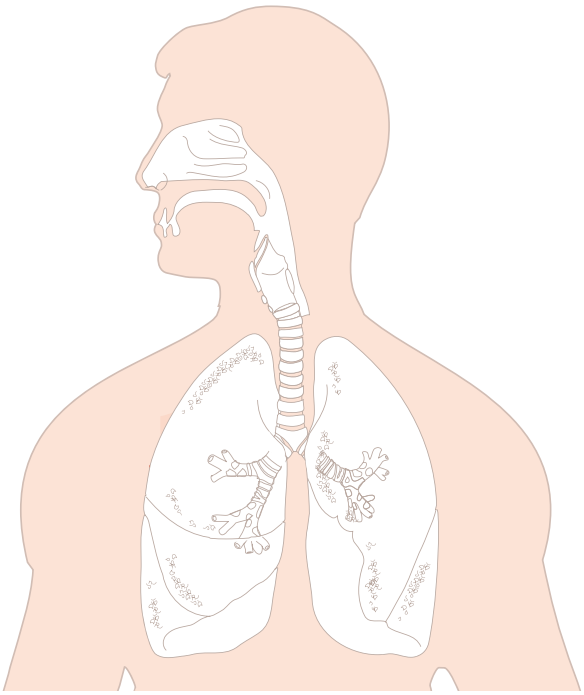
Nebuliser Performance - Important characteristics of nebuliser performance include the aerosol particle size generated, drug output, nebulising time and the amount of drug delivered to the patient. Device construction, fill volume, flow temperature, humidity of the driving gas are factors affecting the performance of a nebuliser.

Particle Size is an important characteristic of nebuliser performance. Large particles do not reach the lower respiratory tract depositing themselves in the mouth, upper airways and gastrict tract. Particles too small will not be taken up by the alveoli and are exhaled. Respirable particles taking part in lung deposition has been accepted to range from 0.5 microns to 5.0 microns in diameter size.

Dead Volume is the volume of medication not delivered to the patient during nebulisation and exists as the volume left in the nebuliser at the end of nebulisation.

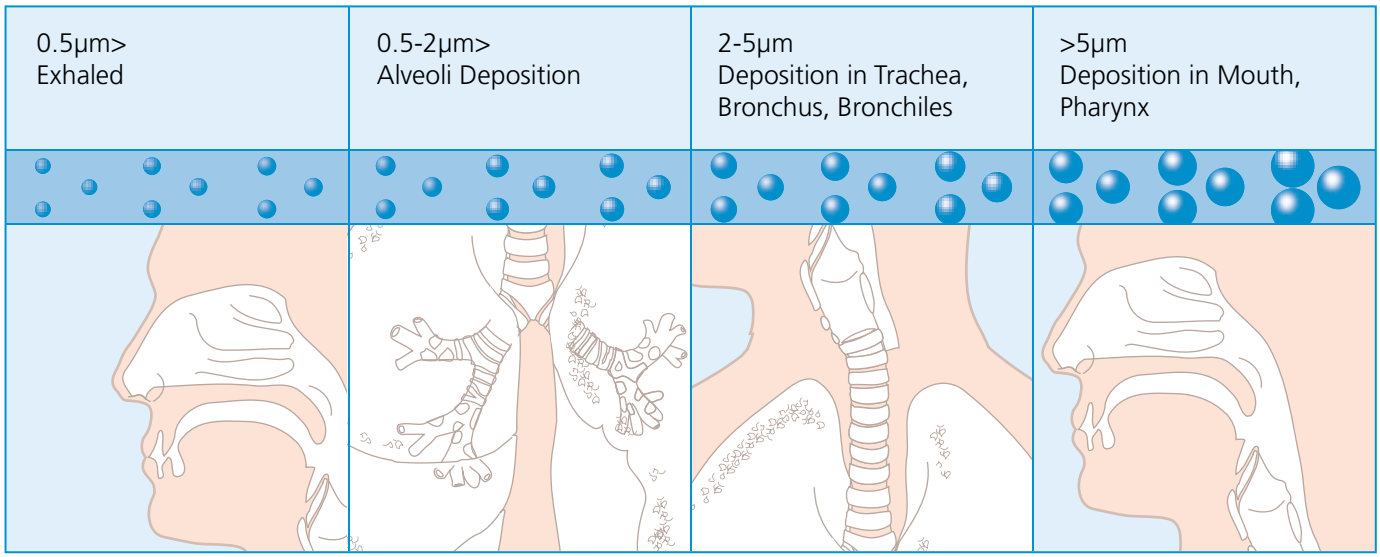
Respirable Mass is the combination of aerosolized drug output and the percentage of particles in the respirable range. This is the amount of aerosolized drug available to the patient on inspiration.

Reconcentration in a SVN is greater at a diluent volume of 2ml than one of 4ml and for that reason it is suggested 4ml maybe superior than 2ml as a diluent formula.



Nebulising Time is the time from starting nebulisation until continuous nebulisation has ceased and depends on the flow rate, compressed air and the construction of the nebuliser. These are a major influence on aerosol size distribution. Optimal flow rates recommended are between 6-8 litres per minute, with 8 l/min providing a smaller particle size and shorter nebuliser time, the time it takes for the volume to completely nebulise. A SVN should deliver at least 80% of the solution within 15 minutes.

Aerosol Particle Deposition



Fixed Concentration

Ventimask

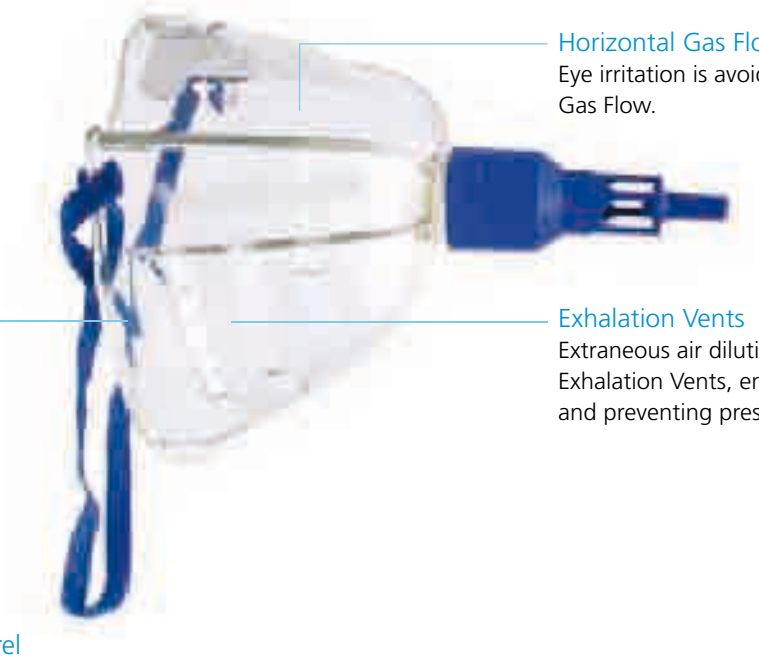
Clinically Proven... "only Ventimask is able to provide a fixed and predictable oxygen concentration with changing and variable breathing patterns." Ventimask is the accepted standard for controlled oxygen therapy for exact oxygen concentration delivery, optimum clinical performance with greater patient acceptability.

Ventimask®

Large Capacity
Air dilution is minimised due to large capacity 280ml face piece.

Soft and Flexible
The construction of the facemask ensures maximum comfort during sleep.

Latex Free Straps
Latex free elastic straps eliminate the risk of allergic reactions.



Horizontal Gas Flow
Eye irritation is avoided due to Horizontal Gas Flow.

Exhalation Vents
Extraneous air dilution is greatly reduced by Exhalation Vents, enhancing CO_2 washout and preventing pressure build up.

Ventimask without Venturi Barrel

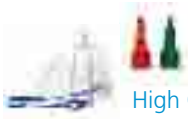
037-10-007	Ventimask no Venturi	50

Ventimask with Venturi Barrel

037-10-001	Ventimask with 24% Blue Venturi (2 lites/minute)		50
037-10-002	Ventimask with 28% White Venturi (4 litres/minute)		50
037-10-010	Ventimask with 31% Orange Venturi (6 litres/minute)		50
037-10-003	Ventimask with 35% Yellow Venturi (8 litres/minute)		50
037-10-004	Ventimask with 40% Red Venturi (10 litres/minute)		50
037-10-005	Ventimask with 60% Green Venturi (15 litres/minute)		50
037-10-006	Ventimask with 28% White Venturi in situ (2 litres/minute - for use at home)		40

Ventimask O_2 Concentration Sets

Low O_2 Set



High O_2 Set

037-10-008	Ventimask Low O_2 Concentration Set with 24%, 28%, 31% & 35% Venturies	50
037-10-009	Ventimask High O_2 Concentration Set with 40% & 60% Venturies	50

Ventimask with 6 Venturies

037-10-012	Ventimask with 6 Venturies 24%, 28%, 31%, 35%, 40% & 60%	40

Fixed Concentration

Single Venturi Masks

These masks, sometimes called High Air Flow Oxygen Enrichment (HAFOE) masks incorporate a Venturi Barrel and use the Bernoulli principle to deliver a predetermined and fixed concentration of oxygen. This is provided to the patient regardless of their respiratory pattern, y providing a higher gas flow than the peak inspiratory flow rate.

Adult Venturi Masks

032-10-040	Adult Venturi Mask 24%		50
032-10-041	Adult Venturi Mask 28%		50
032-10-048	Adult Venturi Mask 31%		50
032-10-042	Adult Venturi Mask 35%		50
032-10-043	Adult Venturi Mask 40%		50
032-10-044	Adult Venturi Mask 60%		50

Adult Venturi Masks with Tubing

032-10-040T	Adult Venturi Mask 24% with Tubing		50
032-10-041T	Adult Venturi Mask 28% with Tubing		50
032-10-048T	Adult Venturi Mask 31% with Tubing		50
032-10-042T	Adult Venturi Mask 35% with Tubing		50
032-10-043T	Adult Venturi Mask 40% with Tubing		50
032-10-044T	Adult Venturi Mask 60% with Tubing		50

Paediatric Venturi Masks

032-10-050	Paediatric Venturi Mask 24%		50
032-10-051	Paediatric Venturi Mask 28%		50
032-10-058	Paediatric Venturi Mask 31%		50
032-10-052	Paediatric Venturi Mask 35%		50
032-10-053	Paediatric Venturi Mask 40%		50
032-10-054	Paediatric Venturi Mask 60%		50

Paediatric Venturi Masks with Tubing

032-10-050T	Paediatric Venturi Mask 24% with Tubing		50
032-10-051T	Paediatric Venturi Mask 28% with Tubing		50
032-10-058T	Paediatric Venturi Mask 31% with Tubing		50
032-10-052T	Paediatric Venturi Mask 35% with Tubing		50
032-10-053T	Paediatric Venturi Mask 40% with Tubing		50
032-10-054T	Paediatric Venturi Mask 60% with Tubing		50

Fixed Concentration

Aerosol Masks, Multi Venturi Masks & Venturi Barrels

When the required concentration needs to change during oxygen therapy, the adult aerosol mask, with the choice of 6 venturies or a multi venturi mask kit will offer the choice to suit the individual patients requirements. The aerosol mask can be used with a nebuliser or 22mm corrugated tubing for combined oxygen therapy and humidification.

Integrated Plastic Nose Bridge
Latex Free Knitted Strap with secure ends
22mm Male Swivel Connector
Stepped Mask Construction
Soft Feathered Edges

Available with Nose Clip

Adult Aerosol Masks and Venturies

032-10-006	Adult Aerosol Mask	50
032-10-006SM	Small Adult Aerosol Mask	50
032-10-006NC	Adult Aerosol Mask with Nose Clip	50
032-10-026	Adult Mask with 2 Venturies 40% & 60%	50
032-10-027	Adult Mask with 2 Venturies 40% & 60% with Tubing	50
032-10-024	Adult Mask with 4 Venturies 24%, 28%, 35% & 40%	50
032-10-025	Adult Mask with 4 Venturies 24%, 28%, 35% & 40% with Tubing	50
032-10-028	Adult Mask with 6 Venturies 24%, 28%, 31%, 35%, 40% & 60%	50
032-10-028T	Adult Mask with 6 Venturies 24%, 28%, 31%, 35%, 40% & 60% with Tubing	50
032-10-028NC	Adult Mask with 6 Venturies 24%, 28%, 31%, 35%, 40% & 60% with Nose Clip	50

Paediatric Aerosol Mask and Venturies

032-10-010	Paediatric Aerosol Mask	50
032-10-055T	Paediatric Mask with 6 Venturies - 24, 28, 31, 35, 40 & 60% with Tubing	50

Venturi Barrels

034-10-026	Venturi Barrel 24% Blue		50
034-10-027	Venturi Barrel 28% White		50
034-10-032	Venturi Barrel 31% Orange		50
034-10-028	Venturi Barrel 35% Yellow		50
034-10-029	Venturi Barrel 40% Red		50
034-10-030	Venturi Barrel 60% Green		50
034-10-031	Blank Venturi (Oxygen Connector)		40

Fixed Concentration

Venturi Barrels with Reservoir Tube

034-10-026C	Venturi Barrel 24% Blue with Reservoir Tube		50
034-10-027C	Venturi Barrel 28% White with Reservoir Tube		50
034-10-032C	Venturi Barrel 31% Orange with Reservoir Tube		50
034-10-028C	Venturi Barrel 35% Yellow with Reservoir Tube		50
034-10-029C	Venturi Barrel 40% Red with Reservoir Tube		50
034-10-030C	Venturi Barrel 60% Green with Reservoir Tube		50

Adult Venturi Masks with Reservoir Tubing

032-10-040C	Adult Venturi Mask 24% Blue with Reservoir Tube		50
032-10-041C	Adult Venturi Mask 28% White with Reservoir Tube		50
032-10-048C	Adult Venturi Mask 31% Orange with Reservoir Tube		50
032-10-042C	Adult Venturi Mask 35% Yellow with Reservoir Tube		50
032-10-043C	Adult Venturi Mask 40% Red with Reservoir Tube		50
032-10-044C	Adult Venturi Mask 60% Green with Reservoir Tube		50

Adult Venturi Masks, Reservoir and Oxygen Tubing

032-10-040CT	Adult Venturi Mask 24% Blue with Reservoir Tube and Oxygen Tubing		50
032-10-041CT	Adult Venturi Mask 28% White with Reservoir Tube and Oxygen Tubing		50
032-10-048CT	Adult Venturi Mask 31% Orange with Reservoir Tube and Oxygen Tubing		50
032-10-042CT	Adult Venturi Mask 35% Yellow with Reservoir Tube and Oxygen Tubing		50
032-10-043CT	Adult Venturi Mask 40% Red with Reservoir Tube and Oxygen Tubing		50
032-10-044CT	Adult Venturi Mask 60% Green with Reservoir Tube and Oxygen Tubing		50

Paediatric Venturi Masks with Reservoir Tubing

032-10-050C	Paediatric Venturi Mask 24% Blue with Reservoir Tube		50
032-10-051C	Paediatric Venturi Mask 28% White with Reservoir Tube		50
032-10-058C	Paediatric Venturi Mask 31% Orange with Reservoir Tube		50
032-10-052C	Paediatric Venturi Mask 35% Yellow with Reservoir Tube		50
032-10-053C	Paediatric Venturi Mask 40% Red with Reservoir Tube		50
032-10-054C	Paediatric Venturi Mask 60% Green with Reservoir Tube		50

Paediatric Venturi Masks, Reservoir and Oxygen Tubing

032-10-050CT	Paediatric Venturi Mask 24% Blue with Reservoir Tube and Oxygen Tubing		50
032-10-051CT	Paediatric Venturi Mask 28% White with Reservoir Tube and Oxygen Tubing		50
032-10-058CT	Paediatric Venturi Mask 31% Orange with Reservoir Tube and Oxygen Tubing		50
032-10-052CT	Paediatric Venturi Mask 35% Yellow with Reservoir Tube and Oxygen Tubing		50
032-10-053CT	Paediatric Venturi Mask 40% Red with Reservoir Tube and Oxygen Tubing		50
032-10-054CT	Paediatric Venturi Mask 60% Green with Reservoir Tube and Oxygen Tubing		50

Variable Concentration

Medium Concentration Masks

The Venticaire Medium Concentration Mask is a small capacity variable performance mask. At a flow rate of 6-8 litres/minute the Venticaire MC Mask delivers an oxygen concentration of 40% to 50% depending on the patients breathing rate and tidal volume.

Easy Fit with Good Seal

The soft, pliable mask moulds easily to the patient's face. The feather rim provides maximum comfort to the patient.

Clear Observation of Face Colour and Vital Signs

The mask is made of colourless and transparent soft PVC to allow visual inspection.

Reduces Patients Eye Irritation

The angled O_2 Inlet directs oxygen into the nostrils, not upwards towards the eyes.

Nose Clip

Adult MC masks are also available with a nose clip. The products can be identified by an NC suffix.

Patient Comfort

The adult mask is offered with head strap or earloops. This will allow easy fitting of the mask to patients whose head movements need to be restricted.

Eliminate Risk of Patient Injury

The design of the plastic nose bridge eliminates the need for a metal nose bridge, thus eliminating the risk of injury to patients especially children.

Stepped Oxygen Inlet

Ensures easy and safe connections to oxygen tubing.

Swivel Connector

The swivel connector provides maximum patient comfort by allowing it to be rotated to the required position.

All masks are supplied with knitted latex free straps. The knitted strap maintains its width when stretched and this will reduce the pressure on patients skin and can protect patients from pressure sores.

Adult MC Mask with Head Strap

032-10-001	Adult MC Mask with Head Strap	50
032-10-001SM	Small Adult MC Mask with Head Strap	50
032-10-002	Adult MC Mask with Head Strap and Tubing	50
032-10-002NC	Adult MC Mask with Head Strap, Tubing and Nose Clip	50

Adult MC Mask with Earloops

032-10-013	Adult MC Mask with Earloops	50
032-10-014	Adult MC Mask with Earloops and Tubing	50
032-10-014NC	Adult MC Mask with Earloops, Tubing and Nose Clip	50

Paediatric MC Mask with Head Strap

032-10-008	Paediatric MC Mask with Head Strap	50
032-10-009	Paediatric MC Mask with Head Strap and Tubing	50

Variable Concentration

Nasal Cannula & Nasal Catheter

Nasal Cannulae are used for their simplicity and patient convenience. There is entrainment of ambient air through the nostrils. The FiO2 achieved is proportional to a) the flow rate of oxygen (1-6 l/mni), b) the patients tidal volume, inspiratory flow rate, and c) the volume of the nasal pharynx.

At an oxygen flow rate of 2 l/min the oxygen concentration in the hypopharynx of a resting person is 25% - 30%. Nasal Cannula prevents Rebreathing and are comfortable for long periods.

There is increased patient compliance with nasal cannula as patients are able to speak, eat or drink. Local irritation and dermatitis may occur with high flow rates. Use of humidified oxygen is recommended to reduce dryness of the mucosal wall in the nasal cavities, particularly when using flows of greater than 4 l/min.

Adult Nasal Cannulas

032-10-020	Adult Nasal Cannula	100
032-10-020FC	Adult Flared Curved Nasal Cannula	100
032-10-022	Adult Nasal Cannula with 2.1m Tubing	100
032-10-022FC	Adult Flared Nasal Cannula with 2.1m Tubing	100
032-10-107	Adult Flared Tip Nasal Cannula	100

Soft Tip Curved Nasal Cannulas

032-10-101	Adult Soft Tip Curved Nasal Cannula with Tubing	100
032-10-102	Adult Soft Tip Curved Nasal Cannula	100
032-10-103	Paediatric Soft Tip Curved Nasal Cannula with Tubing	100
032-10-104	Paediatric Soft Tip Curved Nasal Cannula	100
032-10-105	Neonatal Soft Tip Curved Nasal Cannula with Tubing	100

Nasal Cannulas with CO_2 Monitoring

032-10-108	Adult Nasal Cannula with CO_2 Monitoring	25
032-10-109	Adult Nasal Cannula with O_2/CO_2 Combi Monitoring	25

Soft Tip Nasal Cannulas

032-10-114	Adult High Flow Soft Tip Nasal Cannula with Tubing	100
032-10-115	Infant Soft Tip Nasal Cannula with Tubing	100
032-10-116	Premature Soft Tip Nasal Cannula with Tubing	100

Dual Nasal Cannula - $EtCO_2$ Monitoring

Capnography and CO_2 Monitoring

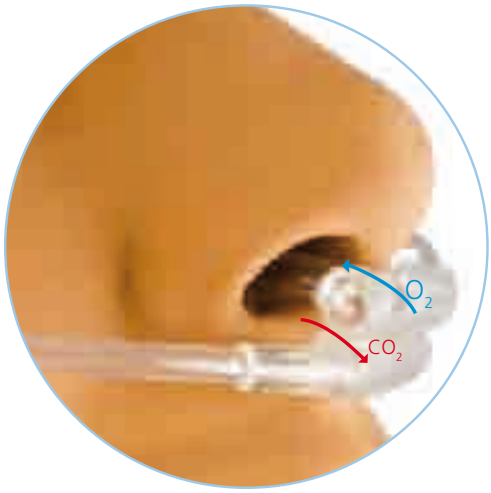
Monitoring patient's breathing in emergency and critical situations is of paramount importance. Delivering oxygen ensures the level of oxygen saturation in the blood is maintained and this sometimes is monitored and measured by a pulse oximeter.
However, the pulse oximeter does not provide breath by breath patient ventilator status. Capnography is the vital sign of ventilation. By tracking the patient's expired CO_2 clinicians can evaluate the ventilation condition of the patient during critical emergency situations, and make the judgment to assess and treat the patient.

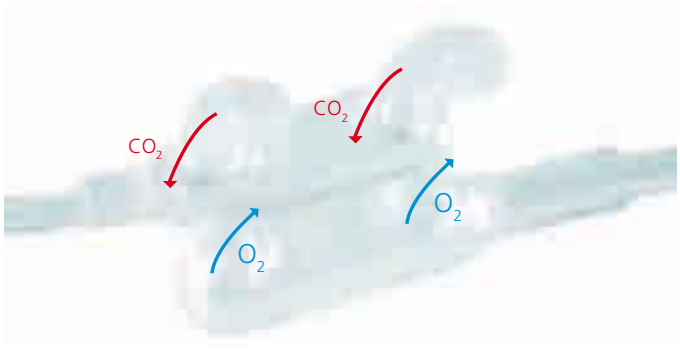
Capnography provides the following vital information:

- Hypo ventilation
- Hyperventilation
- Confirming, maintaining and assisting intubation
- Return of spontaneous circulation (ROSC)
- Measuring cardiac output during cardiopulmonary resuscitation (CPR
- End tidal CO_2 as predictor of resuscitation outcome
- Monitoring sedated patients
- Ventilating head injury patients
- Perfusion warning sign
- $EtCO_2$ in asthma, chronic obstructive pulmonary diseases (COPD), and congestive heart failure (CHF)

End Tidal CO_2 Monitoring & O_2 Delivery Cannula

The Dual nasal cannula is designed to provide oxygen to both nostrils and also sample CO_2 at the same time. The CO_2 sampling is taken from both nostrils and there is no risk of mixing with fresh oxygen as the patient's expiratory flow will divert fresh gas away from the sampling prongs.





CO_2 CO_2 is sampled from both nostrils for side stream CO_2 monitoring through the upper prongs.

O_2 Fresh oxygen is delivered to both nostrils via the lower prongs of the dual nasal cannula.

Advantages:

- Excellent sampling accuracy as there are two end tidal CO_2 sampling ports
- Superior waveforms as Dual has two end tidal CO_2 sampling ports
- Reliable sampling under the following conditions:
  - Clogged Sinus' in one nostril
  - Deviated septum
  - Polyps
- Oxygen delivered in both nostrils at lower rate, thus minimizing mucosal wall damage
- Secure luer lock connection for both Male & Female connections
- Soft tip cannula provides superior patient comfort and nare positioning
- Non-kinking tube ensures consistent and accurate delivery
- Universal Oxygen connector is standard on all items

032-10-123	Dual Nasal Cannula, with CO_2 Monitoring and Male Pigtail Luer (2.1m)	50
032-10-124	Dual Nasal Cannula, with CO_2 Monitoring and Female Pigtail Luer (2.1m)	50
032-10-125	Dual Nasal Cannula, with CO_2 Monitoring and Male Luer (2.1m)	50
032-10-126	Dual Nasal Cannula, with CO_2 Monitoring and Female Luer (2.1m)	50
032-10-127	Dual Nasal Cannula, with CO_2 Monitoring and Male Luer (3m)	50
032-10-128	Dual Nasal Cannula, with CO_2 Monitoring and Female Luer (3m)	50
032-12-125	Dual Nasal Cannula Paediatric, with CO_2 Monitoring and Male Luer (2.1m)	50
032-12-126	Dual Nasal Cannula Paediatric, with CO_2 Monitoring and Female Luer (2.1m)	50
032-13-125	Dual Nasal Cannula Neonate, with CO_2 Monitoring and Male Luer (2.1m)	50
032-13-126	Dual Nasal Cannula Neonate, with CO_2 Monitoring and Female Luer (2.1m)	50

Dual Mask - $EtCO_2$ Monitoring

Capnography Mask

The Dual Oxygen Mask provides continual monitoring of carbon dioxide being exhaled from the mouth and nose whilst administering oxygen to the patient. The integrated oxygen and sampling line provides quick and simple operation.

Easy Fit with Good Seal

The soft, pliable mask moulds easily to the patient's face, whilst the feather rim provides maximum comfort to the patient.

Star Lumen Tubing, Secured Oxygen Delivery

Star Lumen Tubing, supplied with international standard conforming connectors, ensures that the flow of oxygen is maintained even if the tube is kinked.

Clear Observation of Face Colour

The mask is made of transparent soft PVC to allow visual inspection.

Nose Clip

Adult Dual masks are also available with a nose clip.

Independently Tested

The Dual Mask from Flexicare has been proven to be the most efficient in sampling end tidal CO_2.
An independent study[1] measured end tidal CO_2 in a simulated patient with $EtCO_2$ measured at the trachea and by the sampling mask.

032-10-130	Adult Dual Mask with CO_2 Monitoring - Female Connector	50
032-10-131	Adult Dual Mask with CO_2 Monitoring - Male Connector	50
032-10-132	Adult Dual Mask with CO_2 Monitoring and Filter - Female Connector	50
032-10-133	Adult Dual Mask with CO_2 Monitoring and Filter - Male Connector	50
032-10-134	Adult Dual Mask with CO_2 Monitoring and Nose Clip - Female Connector	50
032-10-135	Adult Dual Mask with CO_2 Monitoring and Nose Clip - Male Connector	50
032-10-136	Adult Dual Mask with CO_2 Monitoring, Nose Clip and Filter - Female Connector	50
032-10-137	Adult Dual Mask with CO_2 Monitoring, Nose Clip and Filter - Male Connector	50
032-10-138	Medium Adult Dual Mask with CO_2 Monitoring - Female Connector	50
032-10-139	Medium Adult Dual Mask with CO_2 Monitoring - Male Connector	50
032-10-140	Medium Adult Dual Mask with CO_2 Monitoring and Filter - Female Connector	50
032-10-141	Medium Adult Dual Mask with CO_2 Monitoring and Filter - Male Connector	50
032-10-142	Paediatric Dual Mask with CO_2 Monitoring - Female Connector	50
032-10-143	Paediatric Dual Mask with CO_2 Monitoring - Male Connector	50
032-10-144	Paediatric Dual Mask with CO_2 Monitoring and Filter - Female Connector	50
032-10-145	Paediatric Dual Mask with CO_2 Monitoring and Filter - Male Connector	50

[1] University Hospital of Wales, Heath Park, Cardiff. CF14 4XW

Non Rebreathing Masks

Non Rebreathing Mask

The Non Rebreathing Mask provides a high concentration of oxygen, whilst the reservoir bag allows for adequate oxygen to be available in order to meet unpredictable patients breathing patterns and tidal volumes.

Reduced Risk of Patient Trauma

The elasticated earloop bands on the adult mask eliminate the need for the patients head to be moved to apply the mask, reducing the risk of further injury to the traumatized patient.

Latex Free

Eliminates the risk of allergic reaction.

Ease and Speed of Fitting the Mask

The swivel connector allows the mask to be fitted swiftly with the connector being rotated to suit the patient's position.

Reduced Risk of Bag Occlusion

The castelation on the swivel connector ensures the flow of oxygen from the bag to the patient is uninterrupted.

Star Lumen Tubing, Secured Oxygen Delivery

Star Lumen Tubing, supplied with international standard conforming connectors, ensures that the flow of oxygen is maintained even if the tube is kinked.

Adult Non Rebreathing Mask with Earloops

032-10-070	Adult Non Rebreathing Mask with Earloops and Tubing	50
032-10-071	Adult Non Rebreathing Mask with Earloops	50

Adult Non Rebreathing Mask with Head Strap

032-10-072	Adult Non Rebreathing Mask with Head Strap and Tubing	50
032-10-072NC	Adult Non Rebreathing Mask with Head Strap, Tubing and Nose Clip	50
032-10-073	Adult Non Rebreathing Mask with Head Strap	50

Paediatric Non Rebreathing Mask

032-10-072SM	Small Adult Non Rebreathing Mask with Head Strap and Tubing	50
032-10-080	Paediatric Non Rebreathing Mask and Tubing	50
032-10-081	Paediatric Non Rebreathing Mask	50

Tracheostomy Masks & T-Pieces

Tracheostomy Mask & Humidifier

Tracheostomy masks are provided with a stud button non latex strap with a 360º swivel connector for maximum patient comfort. The 22mm Connector allows for connection to corrugated tubing and providing humidified oxygen when used with a venturi and humidifier adaptor.

ThermoTrach™ is a heat and Moisture Exchanger (HME) for spontaneous breathing patients, for use with a tracheostomy tube.
For further details on this product please see the Breathing Filters section.

032-10-091	Adult Tracheostomy Mask	50
032-10-092	Paediatric Tracheostomy Mask	50
038-41-250	ThermoTrach Heat and Moisture Exchanger	50

Gilston T-Piece

The Gilston T-Piece is designed to provide oxygen to patients with tracheostomy tubes. The sliding cover allows easy access for suction and a venturi can be fitted to one end of the tube to provide oxygen at the required concentration or combined with a humidity adaptor for humidification.

5060	Adult Gilston T-Piece	5
5061	Paediatric Gilston T-Piece	5

Post Operative

Post Operative Oxygen Therapy T-Pieces

Oxygen T-Pieces are used for delivering oxygen in the recovery room to patients with a laryngeal mask in situ.

The 40% T-Piece is clinically tested for oxygen concentration accuracy giving confidence in providing the precise level of oxygen prescribed. The T-Piece is crystal clear and available with a clear bag allowing for visual observation confirming breathing function. The 40% T-Piece complies to British Standard BS EN 13544-3 assuring compatibility with standard connectors.

032-10-540	40% Oxygen T-Piece with Corrugated Tube	50

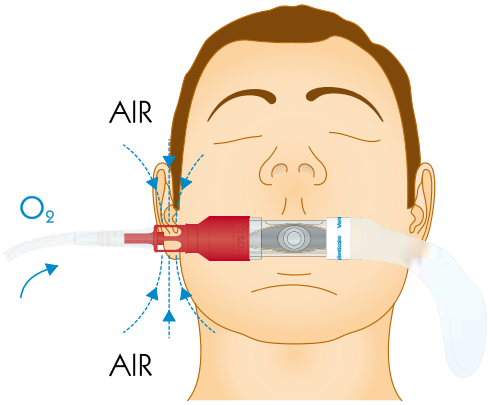
FCOT - The Complete Solution Post Op FCOT

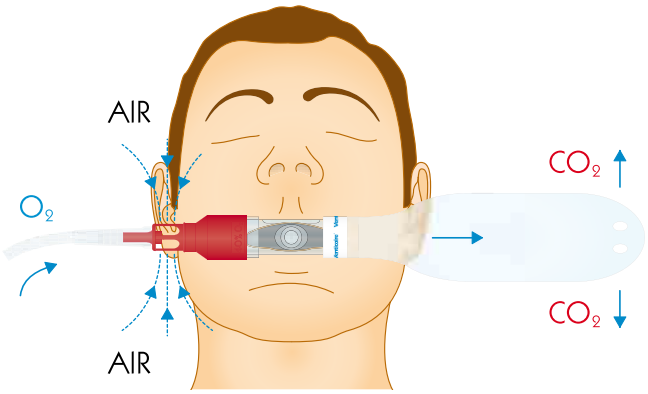
40% Fixed Oxygen Delivery

The 40% (red) venturi delivers the fixed concentration irrespective of oxygen flow rate and patient breathing pattern providing the recommended level of oxygen concentration helping in fast post operative wound healing therefore reducing the risk of infection.

No Rebreathing or Oxygen Dilution

The high flow of oxygen enriched air (40%) flushes the expired gases through the vents on the bag eliminating the risk of rebreathing. During inspiration the bag collapses preventing any dilution



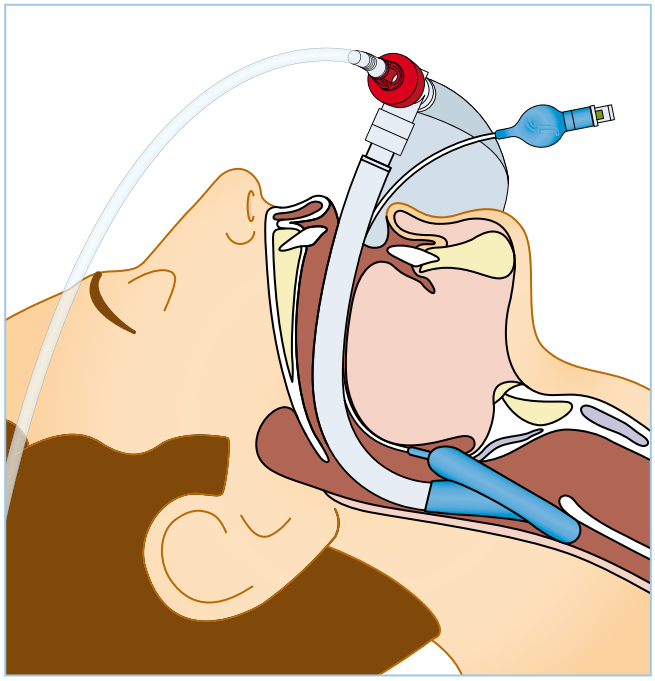


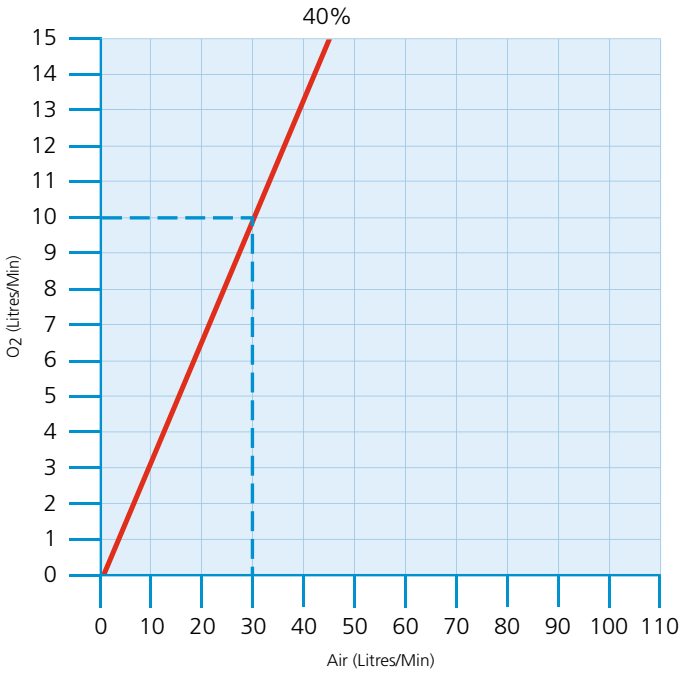
Visual Observation Of Spontaneous Breathing

The mist formation on the T-piece and bag inflation/deflation provides a visual observation.

Cost Effective

The complete kit of 40% T-piece bag , Mask and Star Lumen Tubing provides a cost effective solution.





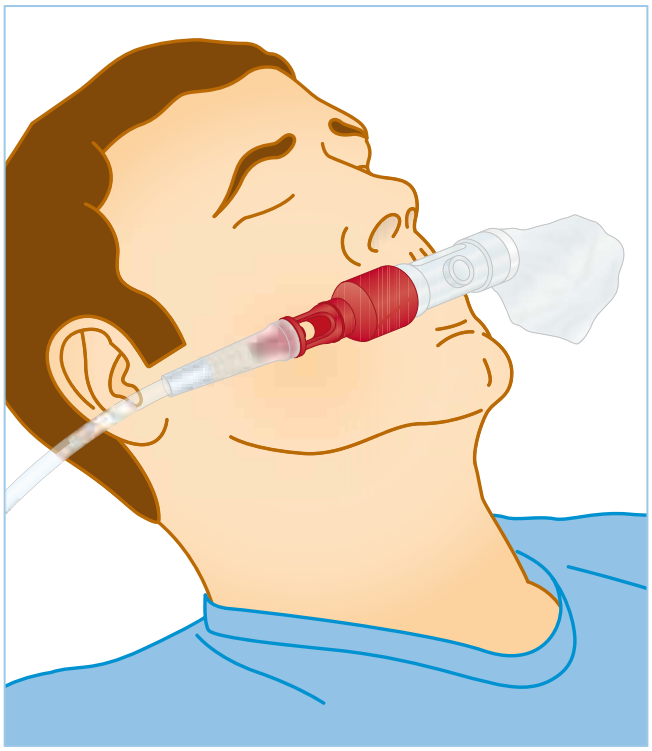
Total Flow rate = 10 litres O_2 + 30 litres entrained air = 40lpm at 40% O_2

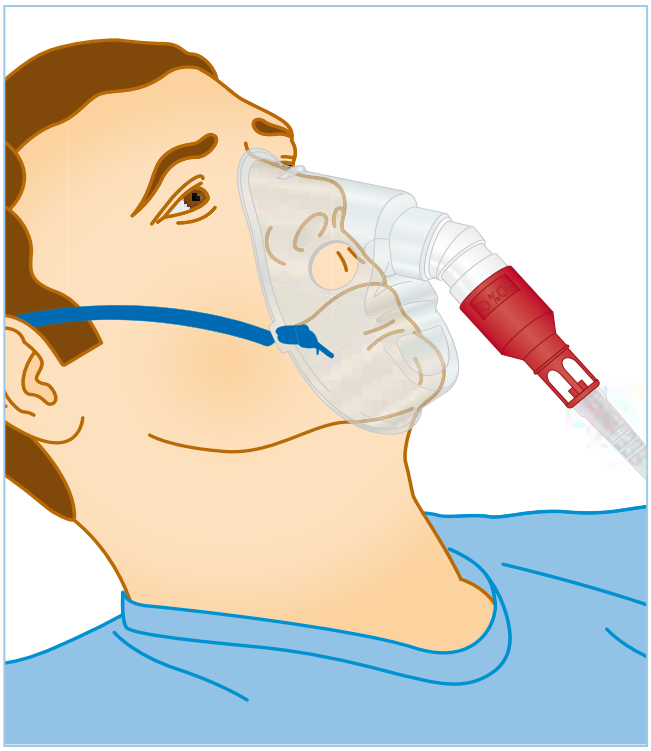
Recovery Room And Ward

Flexicare's FCOT™ is used with a Laryngeal mask in the recovery room. There after the mask included within the kit can be used for continuation of fixed concentration oxygen therapy.

Controlled oxygen delivery at 40% has been proven to shorten recovery time, enhance wound healing by reducing the risk of infection and reduced patient nausea when administered post operatively. 40% High Air Flow Oxygen Enrichment (HAFOE) fixed concentration oxygen establishes SaO_2 and provides a constant oxygen saturation.

Exposure to higher levels of oxygen above 60% for prolonged periods can cause hypoxemia and lead to acidosis due to hypoventilation which occurs in most patients just after general anaesthesia. Hypoxemia has been shown to be deleterious in terms of resistance to infection, wound healing and anastomotic integrity. 40% Oxygen is clinically proven to be the most effective in providing effective oxygen tension within haemoglobin.





FCOT provides a complete solution for post operative controlled oxygen therapy at 40% which can be used with all Laryngeal Masks, for spontaneous breathing adult and paediatric patients.

Oxygen is delivered to the patient at a predetermined 40% through the venturi barrel using a flow rate of 10 Lpm from the supply source and creating an overall flow rate at the patient end of 40 Lpm ensuring that there is no dilution of the prescribed concentration on inspiration.

During the inspiratory phase, the indicator bag deflates preventing dilution as well as providing clearly visible signs of breathing. Upon expiration the gases are flushed through the indicator bag quickly and filled again with 40% oxygen for the next breath.

FCOT is designed to continue with the patient after removal of the supraglottic airway and deliver fixed concentration via an oxygen mask during the remainder of the recovery period ensuring that the concentration is not changed. This is critical for patients who have undergone a major surgery where the recommendation is to continue post-op oxygen therapy for a further 3 days.

032-10-640	FCOT T-Piece with Indicator Bag	50
032-10-740	FCOT T-Piece with Indicator Bag, Aerosol Mask and 2.1m Oxygen Tubing	50
032-10-740A	FCOT KIT T-Piece with Indicator Bag, Aerosol Mask and 3m Oxygen Tubing	50
032-10-741	FCOT T-Piece with Indicator Bag, Paediatric Aerosol Mask and 2.1m Oxygen Tubing	50

MaxiNeb Nebuliser

MaxiNeb is a high output nebuliser which delivers medication quickly and efficiently. In comparing the performance of nebulisers for Dead Volume, Nebulising Time, MMAD and percentage of aerosol mass in the respirable range, MaxiNeb performed among the most efficient in each of these categories.

MaxiNeb®

Patient Choice

22mm connector allows MaxiNeb to be connected to either an aerosol mask or mouth piece providing users choice of delivery. A 17.5mm version is also available.

Easy Dilution

The chamber has clearly visible graduation marks to facilitate easy dilution of drugs as necessary.

Stable Stand Design

The wide legs of the MaxiNeb provides a stable upright position.

Anti-Spill Cap

The easy 1/4 turn closing design of the cap provides confidence in a secure seal whilst also incorporating a large 10ml reservoir to reduce the risk of spillage.

Clear Construction

Allows clinicians to view the nebulisation of the drug and provides visual assurance of the functioning device.

Specifications

- Low Dead Volume chamber (0.7ml), which reduces the wastage of drugs
- Nebulisation time as low as 3 minutes 16 seconds [5]
- Anti-Spill Design, prevents loss of drug in the event of knock over
- Highly efficient nebuliser capable of operating at angles up to 45°
- Quarter turn cap, easily operated by all ages in all settings
- Large chamber capable of holding up to 10ml of the selected drug
- Clear chamber with graduation markers to allow for quick and easy dilution

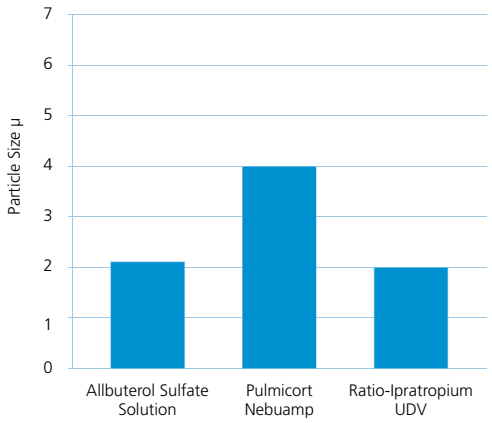
MaxiNeb complies with the provision prescribed in ISO 5356-1, and is suitable for use with all complying aerosol masks and T-piece designs.

MaxiNeb Nebuliser

032-10-003	MaxiNeb Nebuliser	50
032-10-004	MaxiNeb Nebuliser with T-Piece and Mouthpiece	50
032-10-005	MaxiNeb Nebuliser with T-Piece, Mouthpiece and Tubing	50
032-10-007	Adult Aerosol Mask, MaxiNeb and Tubing	50
032-10-007NC	Adult Aerosol Mask, Nose Clip, MaxiNeb and Tubing	50
032-10-011	Paediatric Aerosol Mask, MaxiNeb and Tubing	50

[1] Trudell Medical International, Canada. Aerosol Laboratory Report, July 2011.
[2] Albuterol Sulphate Inhalation Solution 2.5mg/3ml equivalent to 0.83mg/ml albuterol (Cobalt Laboratories Inc. FL.Pulmicort Nebuamp 0.5mg/ml budesonide suspension for inhalation (AstraZeneca Canada Inc.). Ratio-Ipratropium UDV, (250mcg/1ml)(Ratiopharm inc, Canada).
[3] Trudell Medical International, Canada. Aerosol Laboratory report July 2011. Actual particle range 0.98 to 5.39
[4] Surgical Materials testing laboratory, Bridgend, CF31 1RQ UK. May 2011.
[5] Surgical Materials testing laboratory, Bridgend, CF31 1RQ UK. May 2011. Result using fill volume of 2ml of 1% sodium fluoride. Flow rate set at 7 litres per minute.

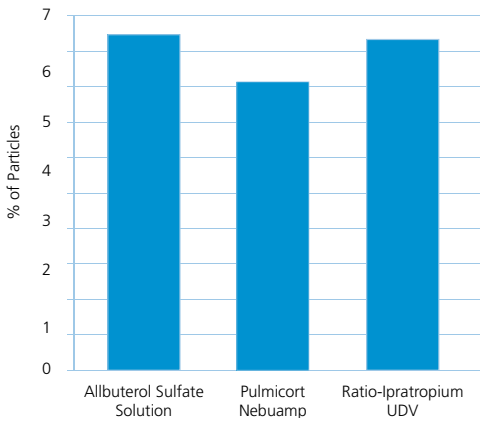
Mass Median Average Diameter (MMAD)



The chart shows an independent comparison of the MMAD of the MaxiNeb Nebuliser when tested with three different drugs.[1 2]

The MMAD of MaxiNeb can be seen to be consistently within the accepted respirable mass range of 1 to 5 µ (microns).

% Particles in Respirable Range



The chart shows the percentage of particles falling within the respirable mass range of 1 to 5 µ (microns).

MaxiNeb has the highest percentage of particles falling in the respirable range. MaxiNeb has been independently proven to produce a MMAD of 4.1µ with over 60% of aerosol particles being less than the maximum respirable particle size of 5µ.

MaxiNeb 90

MaxiNeb

MaxiNeb 90

Features all the same benefits as MaxiNeb but can be used when the patient is lying flat without inhibiting nebulisation.

MaxiNeb 90 Nebuliser

032-10-015	Maxineb 90 Nebuliser	50
032-10-016	Adult Aerosol Mask, Maxineb 90 Nebuliser and Tubing	50
032-10-017	Paediatric Aerosol Mask, Maxineb 90 Nebuliser and Tubing	50

MaxiNeb Accessories

032-10-064	22mm Mouthpiece	100
010-636	T-Piece	100
032-10-065	22mm Mouth Piece and T-Piece	100
032-10-120	In-line valve for use with MaxiNeb Nebuliser	100

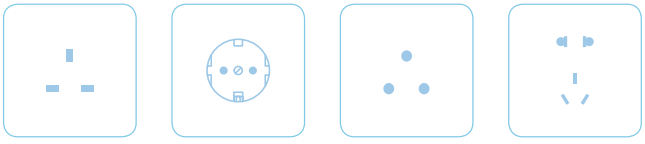
MaxiNeb and MaxiNeb Compact Compressors

The Maxineb Compressors have been developed to provide a complete system in both hospital and home for the delivery of different medications.

Specifications:

Electrical Requirements	220v 50Hz
Power Consumption	0.6A Under Normal Load
Compressor Power Range	35~45 psi
Flow Range	5~7 LPM
Particle Size	0.5µm to 5µm

Available for the following countries/formats:



MaxiNeb

Clear Instructions

In addition to the User Manual, the operational information is visible through the clear case construction for quick reference.

Quiet Operation

The modern design of the housing facilitates a low noise level output, minimising the ambient noise and reducing irritation to the user.

Changeable Air Filter

MaxiNeb has an interchangeable filter that is easily changed.

Integrated Compartment

The Maxineb compressor has a dedicated compartment to safely store the nebuliser and accessories, ensuring that all the necessary items are at hand when required.

MaxiNeb Compact

One Piece Uni Enclosure Sealed Design

No compartments or openings therefore reducing size.

Positive On and Off Switch

The rocker design of the switch allows patients with less dexterity to easily operate the compressor.

Portability

Integrated handle allows for easy transportation.

Replaceable Filter

Side located air filter can be changed as required.

Sleek Finish Casing

Easy to clean finish with minimal crevices to harbour bacteria.

Operational Benefits

The MaxiNeb Compressor is quiet when in use and produces 8 lpm, providing optimal output to the nebuliser to deliver the drug. Each MaxiNeb Compressor is supplied with all the essential items comprising of: MaxiNeb Compressor, MaxiNeb Nebuliser, Aerosol Mask, Mouthpiece, Star Lumen Tubing and Instructional Manual.

MaxiNeb Compressor

60022GB	MaxiNeb Compressor - British Plug (9R619001)	1
60022EU	MaxiNeb Compressor - European Plug (9R619002)	1
60022IN	MaxiNeb Compressor - Indian Plug	1
60022CH	MaxiNeb Compressor - Chinese/Australian Plug	1
60001	Replacement Filter for all Compressor Variations	5

MaxiNeb Compact

60122GB	MaxiNeb Compact Compressor - British Plug (9R619001)	1
60122EU	MaxiNeb Compact Compressor - European Plug (9R619002)	1
60122IN	MaxiNeb Compact Compressor - Indian Plug	1
60122CH	MaxiNeb Compact Compressor - Chinese/Australian Plug	1

Tubing, Connectors & Water Traps

There is a wide range of oxygen tubing, corrugated tubing, water traps, T-Pieces and accessories to provide maximum flexibility for clinicians to customise devices to meet the specific needs of patients.

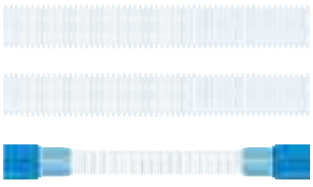
Star Lumen Tubing

032-10-060	Star Lumen Oxygen Tubing with connectors 2.1m	100
032-10-063	Star Lumen Oxygen Tubing with one narrow and one wide connector - 2.1m	100
032-10-059	Star Lumen Oxygen Tubing - 100m	1

Oxygen Bubble Tubing

032-10-069	Oxygen Bubble Tubing - 1.8m	100
032-10-067	Oxygen Bubble Tubing (3mm) 30m coil in dispensing box	1
032-10-068	Oxygen Bubble Tubing (3mm) 100m coil in dispensing box	1

Corrugated Tubing



038-01-226	22mm Corrugated Tubing with 45cm repeat, 50m coil in dispensing box	1
038-01-228	22mm Corrugated Tubing with 15cm repeat, 50m coil in dispensing box	1
038-01-230	22mm Corrugated Tubing 2m with two 22mm female connectors	50

Water Traps

010-650	Adult Self Sealing Water Trap	10
020-650	Paediatric Self Sealing Water Trap	10

Tubing Connections

032-10-117	Oxygen Tubing T Connector	25
032-10-118	Oxygen Tubing Right Angled Connector	25
032-10-119	Oxygen Tubing Straight Connector	25
032-10-110	Oxygen Tubing Swivel Connector	25
032-10-111	Oxygen Tubing Swivel Connector with Clip	25

Humidity Adaptor

Normally, enough moisture is present in ambient air entrained into a venturi barrel to provide sufficient humidification. Patients however, with thick mucous secretions in the airway, undergoing controlled oxygen therapy may require additional humidification.

To provide this a humidity adaptor has to be attached to the venturi barrel, with the open end away from the mask and connected to either a large volume nebuliser or humidifier. When oxygen is delivered at a flow rate of 1-4 l/min by mask, nasal cannula or nasal catheters, the oropharynx or nasopharynx provide adequate humidification. At a higher flow rate or when oxygen is delivered directly to the trachea, humidification is necessary.

Ultimately it might be necessary to increase the moisture content of the inspired gases in order to prevent the possible detrimental effect of dry gases on the airway structure. The humidity adaptor fixes over a venturi barrel as normal.

The adaptor has a 22mm arm which is connected to a humidifier via 22mm corrugated (elephant) tubing. Humidified air is transported from the bubble humidifier or heated humidifier to the humidity adaptor, then it is mixed with fixed concentration oxygen. This is the most accurate method of giving Fixed Concentration Humidified Oxygen to the patient.

5506	Humidity Adaptor 22mm	10

Bubble Humidifier

Oxygen is a dry gas, when it is delivered in excess of 4 l/min or when using a Nasal Cannula it is recommended that oxygen is humidified to prevent damaging the respiratory tract. Bubble humidifiers are used to provide humidified oxygen (cold humidification) to patients both in hospital and at home.

Safety Pressure Valve

The pressure valve automatically opens at 6psi / 4psi should the outlet line occlude.

PVC Nipple Diffuser

For home use the PVC nipple diffuser extends the life of the humidifier and eliminates the clogging of the diffuser apertures.

Recessed Connector with Screw Cap

Protecting the connector from accidental breakage.

Increased Humidification

The fine diffuser at the end of the inlet tube produces very small bubbles of gas, thus increasing contact surface providing maximum humidity picked up by the bubbles. At the same time the tiny bubbles produce very low noise unlike larger bubbles, helping the patient rest.

032-10-090	Bubble Humidifier with PVC Diffuser - 300ml, 6psi (recommended for home use)	20
032-10-089	Bubble Humidifier with Fine Diffuser - 400ml, 4psi (recommended for hospital)	20

RESUSCITATION

Single Patient Resuscitation Bags, Reusable Silicone Resuscitation Bags and Pocket Resuscitation Masks

Single Patient Use and Reusable Resuscitators for Adults, Paediatrics and Neonatals

Single Patient Resuscitation Bags ____ 115

Reusable Silicone Resuscitation Bags ____ 116

Pocket Resuscitation Masks ____ 117

Emergency Packs ____ 118

Resuscitation Bags

Advanced Airway Management

Advanced, effective airway management will ventilate the patient's lungs providing the highest possible oxygen concentration levels – achieving 95% to 100%. Flexicare offers a full range of single patient use and reusable resuscitator bags in three sizes of Adult, Paediatric & Neonatal. All products are supplied complete with mask, reservoir bag and star lumen oxygen tube ready to use in a sealed transparent bag with easy tear-off opening. This will save valuable time in emergencies and critical situations.

Oropharyngeal Airways (Guedel)

These may be used as an adjunct to Bag-Valve-Masks on unconscious patient's in order to depress the tongue and establish and maintain the patency of the upper airway. Flexicare offer a full range of Oropharyngeal Airways in sizes 000 through to Adult Size 4.

Product Specifications for Flexicare Resuscitation Bags:

	Adult	Paediatric	Neonatal
Dead Space (Mask and Valve)	168ml	113ml	46ml
Pressure Relief Valve	60 ± 10cm H_20	40 ± 5 cm H_2O	40 ± 5 cm H_2O
Resuscitator Bag volume	1500ml	550ml	280ml
Oxygen Reservoir Bag Volume	2500ml	2500ml	600ml
Stroke Volume	800ml (1 hand) 1350ml (2 hands)	350ml	100ml
Maximum Breath per Minute (BPM)	45 BPM	105 BPM	98 BPM
Mask Size	5	3	1
Oxygen Tube	3.0m Star Lumen Tubing	3.0m Star Lumen Tubing	3.0m Star Lumen Tubing

Reduced Risk of Patient Rebreathing

The integrated duck bill design of the non-return valve prevents patients exhaled gases to enter the resuscitator bag, providing one way flow of fresh gas from the bag to the patient.

Eliminate Lung Over Inflation

The Pressure Relief Valve supplied with all bags opens at 60cm H_2O for adults. The paediatric and neonatal valve opens at 40±5 cm of H_2O. The pressure relief valve can be locked when increased pressure is required. The adult size is also available without a pressure relief valve.

User Mobility

An integrated Double Swivel Connector allows the Resuscitator bag to be rotated fully through 360° without the need to stop bagging the patient and providing the most convenient position for the resuscitator.

Positive Grip

The outer textured surface of the Resuscitator Bags provides a positive grip during resuscitation. The design of the bags allow for ease of manual ventilation with least resistance and minimal hand fatigue.

Supplementary Oxygen

The bags can be connected to an oxygen source to deliver supplemental oxygen. Oxygen concentration is dependant on flow rate, frequency and tidal volume delivered to the patient.

Space Saving Design

The Adult Resuscitator is supplied fully assembled in a collapsible space saving format, which is easily and quickly extendible for patient use.

Single Patient Resuscitation Bags

Resuscitators - Single Use

Our Single Use Resuscitator Bags are designed for manual ventilation of patients. The ready-to-use pack allows for speed and efficiency during the early critical stages of CPR.

Adult Single Use Resuscitator Bag

038-71-840	Adult Single Patient Use Resuscitator Bag with Mask, Oxygen Line and Reservoir Bag	5
038-71-841	Adult Single Patient Use Resuscitator Bag with Mask, Oxygen Line and Reservoir Bag (without pressure relief valve)	5

Paediatric & Neonatal Single Use Resuscitator Bag

038-72-840	Paediatric Single Patient Use Resuscitator Bag with Mask, Oxygen Line and Reservoir Bag	5
038-73-840	Neonatal Single Patient Use Resuscitator Bag with Mask, Oxygen Line and Reservoir Bag	5

Resuscitator Pack

038-71-845	Resuscitation Pack - Adult, Paediatric and Neonatal Single Patient Use Resuscitator Bag with Masks, Oxygen Lines and Reservoir Bags	1

Reusable Silicone Resuscitation Bags

Adult Silicone Resuscitator Bag

038-71-850	Adult Silicone Resuscitator Bag with Mask, Oxygen Line and Reservoir Bag	5
038-71-851	Adult Silicone Resuscitator Bag with Mask, Oxygen Line and Reservoir Bag (without pressure relief valve)	5

Paediatric & Neonatal Silicone Resuscitator Bag

038-72-850	Paediatric Silicone Resuscitator Bag with Mask, Oxygen Line and Reservoir Bag	5
038-73-850	Neonatal Silicone Resuscitator Bag with Mask, Oxygen Line and Reservoir Bag	5

Resuscitator Pack

038-71-855	Resuscitation Pack - Adult, Paediatric and Neonatal Silicone Reusable Resuscitator Bag with Masks, Oxygen Lines and Reservoir Bags	1

Resuscitator Accessories

038-71-857	Reservoir Bag and Oxygen Line for Adult and Paediatric Silicone Resuscitators	1
038-73-857	Reservoir Bag and Oxygen Line for Neonatal Silicone Resuscitators	1

Single Patient Use Packaging

- Easy carry handle
- Clear for visual inspection before use.
- Tamper proof tabs

Optional Reusable Packaging

- Robust storage box
- Clear for visual inspection before use
- Secure click lock lid and carry handle

Pocket Resuscitation Mask

Protect Patients against Cross Contamination with the Flexicare Single Patient Use Resuscitator Mask.

Secure Durable Carrying Case

Mask carefully protected until required - easy open release catch with printed easy-to-follow instructions.

Non-return Valve

This prevents reflux contamination whilst allowing gas escape through side vents.

Integrated Bacterial / Viral Filter

Protects both patient and resuscitator.

Pre-filled Cushion

The pre-filled cushion provides maximum seal.

Latex Free Strap

Assists in maintaining mask in secure position & eliminates risk of Latex reaction.

Built in Oxygen Line Port with Cap

Allows connection of oxygen if required - no need to change mask during transportation.

010-999	Pocket Resuscitation First Aid Mask	20

Emergency Packs

Custom Emergency Packs

Flexicare can provide customised Emergency packs based on your individual resuscitation needs.
For further details please contact us with your requirements.

SUCTION

Sterile Suction Tubing, Suction Catheters and Suction Yankauers

The Flexicare range of Sterile Suction Tubing is made of PVC with Peel Pouch Sterile Packaging for easy opening and placing in sterile areas. Positive Ribbed Connectors provide secure connection with spare Male/Male connector also included.

Sterile Suction Tubing 120

Suction Catheters 121

Suction Yankauer 122

Sterile Suction Tubing

Suction Tubing

Flexicare offers a wide range of Suction Tubing, with internal diameters (ID) from 5mm to 7mm and lengths from 2m through to 30m rolls.

Clear Non-Coiling PVC

The wall thickness prevents the tube from collapsing when the tube is used under high negative pressure.

Peel Pouch Sterile Packing

All sterile suction connecting tubes are supplied double wrapped, with a non-stick inner bag and outer easy to open peel pouch.

Universal Female Connector

The rib design elastomeric connectors provide secure connection to adaptors and catheters. Connectors are colour coded for ID size.
Yellow = 7mm Green = 6mm Blue = 5mm

Spare Male - Male Connector

All sterile suction connecting tubes are supplied with one spare Male-Male connector for connection to Female connectors in suction catheters or for connecting two tubes should extended length be required.

Suction Bubble Tube

The suction bubble tube is available in 5mm and 7mm ID with 1m bubble repeat. The product is supplied in a 100m coil dispensing box.

1020-25	7mm ID Suction Tube Sterile, 2m with Yellow F/F Connector	●	25
1020-6	6mm ID Suction Tube Sterile, 2m with Green F/F Connector	●	25
1024-25	7mm ID Suction Tube Sterile, 2.4m with Yellow F/F Connector	●	25
1027-25	7mm ID Suction Tube Sterile, 2.7m with Yellow F/F Connector	●	25
1030-25	7mm ID Suction Tube Sterile, 3m with Yellow F/F Connector	●	25
1030-5	5mm ID Suction Tube Sterile, 3m with Blue F/F Connector	●	25
1030-6	6mm ID Suction Tube Sterile, 3m with Green F/F Connector	●	25
1035-25	7mm ID Suction Tube Sterile, 3.5m with Yellow F/F Connector	●	25
1037-25	7mm ID Suction Tube Sterile, 3.7m with Yellow F/F Connector	●	25
10830-5	Suction Tube 30m coil, 5mm ID with bubble non conductive		1
10830-7	Suction Tube 30m coil, 7mm ID with bubble non conductive		1

Suction Catheters

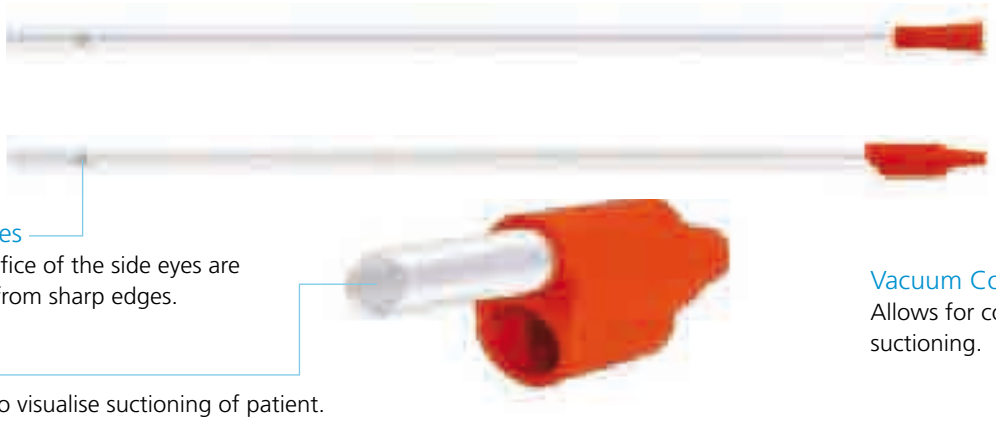
The Suction Catheters include Standard and Vacuum Controlled. The range is essentially designed for Oral, Tracheal and Endobroncial suction implementation, and will connect to the suction source via Flexicare's Suction Tubing.

Smooth Tip

The Tip at the patient end of the suction catheter is rounded to reduce risk of injury.

Smooth Main Tube

The smooth surface of the suction Catheter facilitates easy insertion through all types of plastic, rubber and metal oral and nasal tracheal tubes, tracheostomy tubes, and appropriate connectors.



Double sided Eyes

The edges and orifice of the side eyes are smooth and free from sharp edges.

Clear Tube

Allows clinicians to visualise suctioning of patient.

Vacuum Control

Allows for controlled vacuum suctioning.

Specifications

Designated Size		Inside Diameter (mm)	Colour Identification
French (Charriere)Equivalent (F)	Nominal Outside Diameter (mm)		
6	2.00	1.00	Light Green
8	2.67	1.75	Light Blue
10	3.33	2.00	Black
12	4.00	2.45	White
14	4.67	2.95	Dark Green
16	5.33	3.40	Orange
18	6.00	3.90	Red

050-10-06	Suction Catheter without Vacuum, 6fr, 2.00mm		100
050-10-08	Suction Catheter without Vacuum, 8fr, 2.66mm		100
050-10-10	Suction Catheter without Vacuum, 10fr, 3.33mm		100
050-10-12	Suction Catheter without Vacuum, 12fr, 4.00mm		100
050-10-14	Suction Catheter without Vacuum, 14fr, 4.66mm		100
050-10-16	Suction Catheter without Vacuum, 16fr, 5.33mm		100
050-10-18	Suction Catheter without Vacuum, 18fr, 6.00mm		100
050-20-06	Suction Catheter with Side Vacuum Control, 6fr, 2.00mm		100
050-20-08	Suction Catheter with Side Vacuum Control, 8fr, 2.66mm		100
050-20-10	Suction Catheter with Side Vacuum Control, 10fr, 3.33mm		100
050-20-12	Suction Catheter with Side Vacuum Control, 12fr, 4.00mm		100
050-20-14	Suction Catheter with Side Vacuum Control, 14fr, 4.66mm		100
050-20-16	Suction Catheter with Side Vacuum Control, 16fr, 5.33mm		100
050-20-18	Suction Catheter with Side Vacuum Control, 18fr, 6.00mm		100

Suction Yankauer

Designed to effectively suction without aspiration of the surrounding tissue, Flexicare have designed a range of suction yankauers with and without suction control providing clinicians with a choice to compliment the full range of suction products available. The Flexicare range of yankauers are made of transparent material with a smooth inner lumen facilitating easy suction and movement through the complete product.

Visual Indication

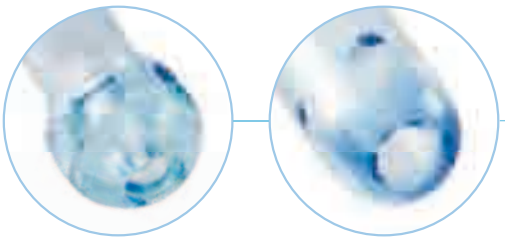
The transparent construction of the yankauers allows constant monitoring of suction throughout the system.
The smooth inner lumen ensures the level of suction is maintained.

Sterile

All yankauers are supplied sterile in an easy to open peel pouches.

Rounded tip

Choice of two tip variations.



Rosebud Tip

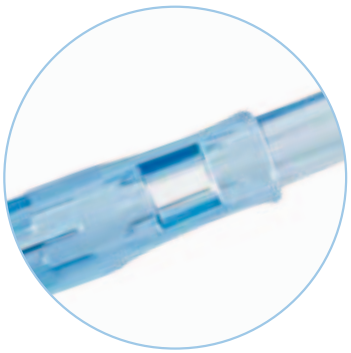
Straight Tip

Continuous Suction

The lateral eyes positioned near the tip allows it to withstand negative pressure while ensuring continuous and easy suction.

Available with Vacuum finger tip control

The port provided at the distal end of the yankauer handle allows finger tip / thumb management to allow the user further control.



050-35-001	Suction Yankauer with Straight Tip and Vacuum Control	25
050-35-002	Suction Yankauer with Straight Tip	25
050-35-003	Suction Yankauer with Rosebud Tip and Vacuum Control	25
050-35-004	Suction Yankauer with Rosebud Tip	25

UROLOGY & CONTINENCE CARE

Catheters, Drainage Bags and Urology Accessories

Flexicare has a full range of Catheters, Leg Bags, Night Drainage Bags and accessories to meet all patients' requirements.

Catheters

FlexiCath All Silicone Foley Catheter 124

Drainage Bags

Flexicare Leg Bags 126
Discreet Leg Bags 127
Drainable 2L Bags 128
Non-Drainable 2L Bags 129
F2-EZ Once Drainable 2L Bag 130
F2-EZB Once Drainable 2L Bag 131
Urimeter 132
Post Operative Bag 133

Accessories

FlexiHang Bag Hanger 134
EZ-Flow Catheter Valve 134
Bag Stand 135
FlexiSleeve Leg Bag Holder/Sleeve 135
Leg Straps 135

Home Packs

Home Packs 136

FlexiCath Foley Catheter

FlexiCath is a 100% silicone 2-way biocompatible indwelling foley catheter designed to eliminate the risk of allergic reactions and provide maximum long-term patient comfort.

FlexiCath

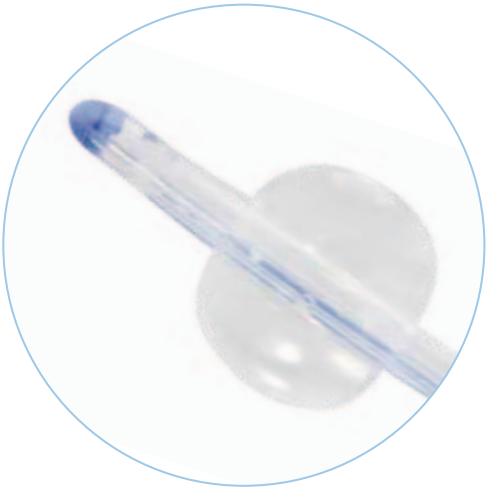
Smooth Rounded Tip
Allows for easy insertion and provides maximum patient compliance.

Large Twin Catheter Eyes
The smooth moulded drainage eyes reduce the risk of snagging, ensuring easier insertion. The large eyes allow quick fluid drainage and reduce risk of blockages.

Large Inner Lumen
FlexiCath has a large inner lumen with a round, smooth surface reducing the risk of bacterial colonization and encrustation, allowing quick drainage of fluids and any possible clots.

Radiopaque Line
The integral blue line running the length of the catheter is radiopaque, allowing clinicians to see the position of the catheter under x-ray.

Smooth Valve Surface
The valve sleeve provides a smooth surface against the patient's skin reducing the risk of irritation.



Spherical Retention Balloon
The ribbed design of the balloon gives perfect symmetry providing a good position and seal when in situ. The silicone balloon has the ability to contract back to its unfilled streamline shape providing easier removal even after 30 days of use.

Flexible Shaft
Designed to provide optimum stiffness for easy insertion whilst maintaining true flexibility, giving users freedom of movement without discomfort.

100% Silicone
FlexiCath is made of 100% silicone which minimizes bacterial colonization and encrustation whilst in situ, facilitating easier removal.

Ribbed Outlet Connector
Provides a secure attachment to a catheter valve or leg bag, minimizing the risk of slippage, disconnection or leakage. Clearly marked with sizing information.

Recessed Inflation Valve
Prevents accidental emptying of the catheter balloon.

FlexiCath Foley Catheter

Large inner lumen

Atraumatic tip & large eyes

Ribbed outlet connector

Paediatric Catheters

00-410603		6 Ch/Fr	3-5ml	10
00-410803		8 Ch/Fr	3-5ml	10
00-411003		10 Ch/Fr	3-5ml	10

Female Catheters

00-421205		12 Ch/Fr	10ml	10
00-421405		14 Ch/Fr	10ml	10
00-421605		16 Ch/Fr	10ml	10

Male Catheters

00-411205		12 Ch/Fr	10ml	10
00-411405		14 Ch/Fr	10ml	10
00-411605		16 Ch/Fr	10ml	10
00-411630		16 Ch/Fr	30ml	10
00-411805		18 Ch/Fr	10ml	10
00-411830		18 Ch/Fr	30ml	10
00-412005		20 Ch/Fr	10ml	10
00-412030		20 Ch/Fr	30ml	10
00-412205		22 Ch/Fr	10ml	10
00-412230		22 Ch/Fr	30ml	10
00-412405		24 Ch/Fr	10ml	10
00-412430		24 Ch/Fr	30ml	10
00-412605		26 Ch/Fr	10ml	10
00-412630		26 Ch/Fr	30ml	10

Please note, product supplied is catheter only.

Leg Bags - Flexicare Range

Flexicare leg bags are available in 350ml, 500ml and 750ml capacities, meeting different patients' requirements. All three leg bag capacities are available in short or long tube lengths and for those requiring a customised length, Flexicare offer an extra-long adjustable length tube.

Easy to Operate Leak-Free Taps

The lever taps fitted to Flexicare bags are 100% leak tested and are easy to operate.

Needle-Free Sample Port

The needle-free sample port eliminates the risk of needle stick injury, whilst ensuring the bag is leak-free.

Skin-Friendly Fabric Backing

All of our community leg bags have a durable, non-woven fabric backing to reduce skin irritation and perspiration.

Secure and Comfortable Fit

Anti-slip, latex-free Lycra Velcro straps provide secure, comfortable support and help maintain the inlet tube and non-return valve in position, preventing kinking of the tube or folding of the NRV.

Universal Secure Overnight Connection

All outlet taps on Flexicare leg bags are fitted with a silicone overnight bag connection to attach securely and reliably to a bedside night drainage bag.

Range of Tube Lengths

The table below shows the different tube lengths available.

Tube Description	Short Tube	Long Tube	Extra Long Adjustable Tube
Tube Length	7cm / 2 ¾ inches	30cm / 11¾ inches	60cm / 23 ¾ inches

Flexicare Leg Bags - Community packs with fabric backing

00-1352	350ml Leg Bag Short Tube - sterile	10
00-2352	350ml Leg Bag Long Tube - sterile	10
00-1502	500ml Leg Bag Short Tube - sterile	10
00-2502	500ml Leg Bag Long Tube - sterile	10
00-3502	500ml Leg Bag Extra Long Adjustable Tube - sterile	10
00-3501	500ml Leg Bag Extra Long Adjustable Tube - non-sterile	10
00-1752	750ml Leg Bag Short Tube - sterile	10
00-2752	750ml Leg Bag Long Tube - sterile	10

Flexicare Leg Bags - Hospital packs without fabric backing

00-1503L	500ml Leg Bag Short Tube - sterile	100
00-2503L	500ml Leg Bag Long Tube - sterile	100

Adjustable leg bags are supplied with a standard connector.

Flexicare offer a discreet range of leg bags which are contoured to fit the anatomy better, have a neutral colour and text that is harder to see through clothing. This allows the user to wear a wider range of clothes without compromising on lifestyle choices.

Discreet

Neutral Colour
Using neutral colours for the backing and print on the leg bags allows users to wear the bag with more confidence by reducing the possibility of printed text or bright colour backing showing through clothing.

Contoured Fit
The Discreet range of leg bags are designed to fit better and mould to either the calf or thigh, distributing the weight and volume of the urine evenly to minimise visibility of a leg bag in-situ.

Easy to Operate Leak Free Taps
The lever taps fitted to Flexicare bags are 100% leak tested and are easy to operate.

Needle-Free Sample Port
The needle-free sample port eliminates the risk of needle stick injury, whilst ensuring the bag is leak free.

The Discreet range of leg bags are available in 350ml, 500ml and 750ml capacity with short or long tube and for those requiring extra flexibility, Flexicare offers an adjustable length tube in the 500ml capacity.

Range of Tube Lengths
The table below shows the different tube lengths available.

Tube Description	Short Tube	Long Tube	Extra Long Adjustable Tube
Tube Length	7cm / 2 ¾ inches	30cm / 11¾ inches	60cm / 23 ¾ inches

Discreet Leg Bags - Community packs with fabric backing

00-5352	350ml Discreet Leg Bag Short Tube - sterile	10
00-6352	350ml Discreet Leg Bag Long Tube - sterile	10
00-5502	500ml Discreet Leg Bag Short Tube - sterile	10
00-6502	500ml Discreet Leg Bag Long Tube - sterile	10
00-6504	500ml Discreet Leg Bag Extra Long Adjustable Tube - sterile	10
00-6505	500ml Discreet Leg Bag Extra Long Adjustable Tube - non-sterile	10
00-5752	750ml Discreet Leg Bag Short Tube - sterile	10
00-6752	750ml Leg Bag Long Tube - sterile	10

Discreet Leg Bags - Hospital packs without fabric backing

00-5503	500ml Discreet Leg Bag Short Tube - sterile	100
00-6503	500ml Discreet Leg Bag Long Tube - sterile	100

Adjustable leg bags are supplied with a standard connector.

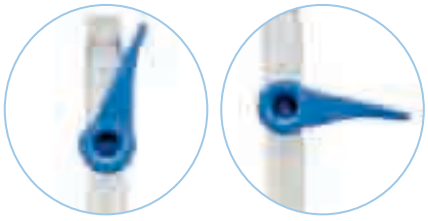
Drainable 2L Bags

Flexicare drainable urine bags provide a robust and versatile urine drainage solution for both hospital and community environments. All Flexicare drainable 2L bags are fitted with a non-return valve as standard to prevent urine reflux and protect the patient against ascending infection.

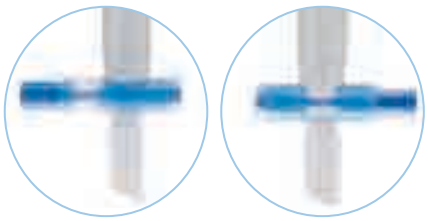
F4 & F4L

Easy to Operate Leak-Free Taps

Both the lever tap and T-tap fitted to Flexicare F4 bags are 100% leak tested and are easy to operate. The lever tap requires a lower force to open and close the tap and this design is often preferred by the elderly or patients with impaired dexterity.



F4L



F4

Free and Rapid Flow

The wide bore drainage tube allows unimpaired flow of urine into the bag, optimising drainage and providing observation of urine flow. The tube is both firm and flexible affording comfort to the user.

Needle-Free Sample Port

The needle-free sample port eliminates the risk of needle stick injury, whilst ensuring the bag is leak free.

Overnight Drainage Bags - Community Packs

00-1200	F4 Community Pack - 2L drainable sterile bag with inlet connector, needle-free sampling port and T-tap	10
00-1201	F4L Community Pack - 2L drainable sterile bag with inlet connector, needle-free sampling port and lever tap	10

Overnight Drainage Bags - Hospital Packs

00-1204	F4 Hospital Pack - 2L drainable sterile bag with inlet connector, needle-free sampling port and T-tap	100
00-1204L	F4 Hospital Pack - 2L drainable sterile bag with inlet connector, needle-free sampling port and lever tap	100
00-2206	F3 Non Sterile Hospital Pack - non-sterile bag with non-return valve and T-tap	100

Non-Drainable 2L Bags

Flexicare non drainable 2L bags provide a clean and safe method of urine drainage for both hospital and home environments. The Flexicare F2 bag is a high quality collection bag that is simple and easy to use, assuring confidence to clinicians and comfort for patients.

Easy to use

The Flexicare F2 bag has a simple and easy-to-use tear mark which can be used to open and drain the bag when needed. After use, the bag can be disposed of with household waste making the F2 an ideal bag for use in both hospital and community settings.

Safe and secure drainage

All Flexicare urine drainage bags are fitted with a non-return valve (NRV) as standard. Flexicare NRVs are designed to allow low pressure drainage in one direction while preventing all flow in the opposite direction. This balance is critical to make sure that there is a free flow of urine into the bag while protecting the patient against ascending infection.

Secure connection to catheter or leg bag

The stepped connector is easily inserted into any catheter or sheath and provides a secure connection that will withstand the most vigorous user activity.

Overnight Drainage Bags - Community Packs

00-2202c	F2 Community Pack - non-sterile bag, non-drainable with non-return valve and tear to open	10

Overnight Drainage Bags - Hospital Packs

00-2201	F2 Non-Sterile Hospital Pack - non-sterile bag, non-drainable, non-return valve and tear to open	250
00-2202	F2 Sterile Hospital Pack - sterile bag, non-drainable, non-return valve and tear to open	100

Once Drainable 2L Bags

F2-EZ is an innovative 2L drainage bag designed to be opened quickly and easily while maintaining controlled drainage of fluids. The twist-snap tap is located at the top of the bag thus eliminating the possibility of splash, spray and cross contamination associated with tear bags. The bag is designed for single use and, once the twist-snap tap has been broken and the bag emptied, it can be easily disposed of.

f2-EZ

F2-EZ Twist-Snap Tap
Innovative easy-to-open angled connector with wide bore for rapid drainage.

Non-Return Valve
Eliminates reflux and maintains directional flow of fluids.

Opposing Diagonal Eyelet
The positioning of the eyelet allows the bag to be hung for emptying.

Stepped Connector
This provides a secure connection to all bags and catheters.

00-2203C	F2-EZ Community Pack - non-sterile bag, once-drainable with non-return valve and twist-snap tap	10
00-2203	F2-EZ Hospital Pack- non-sterile bag, once-drainable with non-return valve and twist-snap tap	100

Once Drainable 2L Bags

F2-EZB features the same specification as F2-EZ but with the twist-snap tap at the bottom of the bag. The bag is designed for single use and, once the twist-snap tap has been broken and the bag emptied, it can be easily disposed of.

f2-EZB

Non-Return Valve
Eliminates reflux and maintains directional flow of fluids.

Bag Stand
F2-EZB is pictured with the Flexicare Bag Stand. For more information see page 139.

Stepped Connector
Provides a secure connection to all bags and catheters.

F2-EZB Twist-Snap Tap
Innovative easy-to-open connector with wide bore for rapid drainage.

Twist-Snap Tap
Held in the upright position the twist-snap tap is twisted to break the seal.

Easily Drainable
After discarding the tip, the fluid can be easily drained via the outlet.

00-2208C	F2-EZB Community Pack - non-sterile bag, once-drainable with non-return valve and bottom-located twist-snap tap	10
00-2208	F2-EZB Hospital Pack- non-sterile bag, once-drainable with non-return valve and bottom-located twist-snap tap	100

Urimeter

Urine meters are primarily used with post operative patients or those critically ill, where precise monitoring of urine output is necessary. Flexicare have developed a sterile closed collection Urimeter with an integral measuring chamber directly above the in-line collection bag.

Star Lumen Tubing
The star lumen tubing ensures unimpeded flow of urine even if the tube becomes kinked.

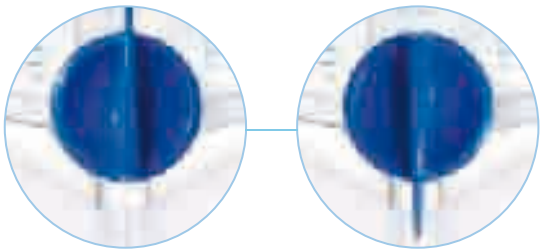
Secure Fastening
The integral hangers and straps ensure the Flexicare Urimeter is securely attached to any bed frame.

Vertical Drainage
Vertical drainage ensures complete emptying of the measuring chamber

Safe and Secure Drainage
The unique design and manufacture of our non-return valves (NRV) allows low pressure drainage without compromising its anti-reflux property.

Hydrophobic Filters
The hydrophobic filter allows for the air and any gas build up in the bag to escape without allowing proteins or fluids to pass through.

Enclosed Tap Protector
The lever tap can be housed in the blue tap holder when not in use to prevent the tap touching the floor or being accidentally opened.



Easy Emptying
The 180° release tap enables the clinician to empty the measuring chamber quickly and without the need to invert the chamber, reducing the risk of ascending infection.

00-1225	Flexicare Urimeter with 100cm Tubing	20
00-1227	Flexicare Urimeter with 150cm Tubing	20

Post Operative Bag

Primarily used with patients who have undergone an operation and are fitted with a urinary catheter. The Flexicare Post Operative Bag is designed for patients with a weakened immune system who require a sterile drainage bag with maximum protection against the risk of ascending infection.

Integral Bag Hanger

The integral bag hanger can fit securely to any bed or stand. The inlet tube is also maintained in its primary position to allow for direct flow into the drip chamber.

Drip Chamber

The drip chamber is fitted with a non-return valve and prevents contact between the urine inside the bag and the tube, which eliminates the risk of ascending infection.

Hydrophobic Filter

The hydrophobic filter allows for any air or gas build up in the bag to escape without allowing proteins or fluids to pass through. The function of the hydrophobic filter also assists in proper filling of the bag without pressure build up.

Non-Return Valve

The bag is fitted with a second NRV preventing the contents of the bag returning to the drip chamber, eliminating reflux and provides directional flow of fluids.

Enclosed Tap Protector

The lever tap can be placed in a protective tap holder which keeps the outlet from possible cross contamination from the floor whilst also protecting against accidental opening.

The bag is connected to the catheter via a needle free sample port connector which provides a secure fit to any foley catheter. The wide bore tubing allows for quick and easy urine drainage, while remaining flexible and kink resistant.

00-1208	2L Post Operative Bag - Sterile	20
00-1209	4L Irrigation Bag - Sterile	20

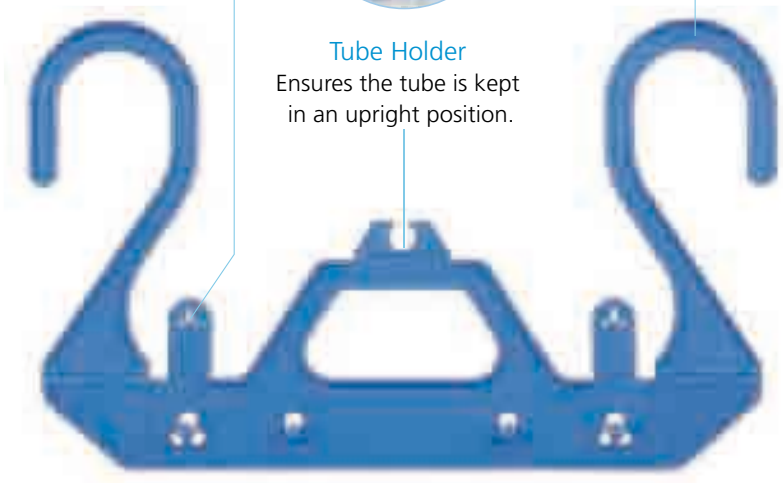
FlexiHang

The FlexiHang bag hanger is a uniquely designed universal 2 litre urine bag hanger for use on beds fitted with or without side bars. FlexiHang can also be secured between the mattress and bed frame on a divan bed. The ridges incorporated into the hook section of the hanger will provide a positive grip keeping the hanger and bag in position. FlexiHang holds the urine bag firmly in place with two snap-fit locks and secures the outlet tube in a vertical position to ensure good flow to the bag.

Easy Clips
Clips snap shut firmly to keep the urine bag in place.

Tube Holder
Ensures the tube is kept in an upright position.

Hanging Grooves
Enables you to hang the bag from your divan without slipping off.



00-0012	FlexiHang Bag Hanger	10
00-0014	FlexiHang Bag Hanger	100

EZ-flow

The Flexicare EZ-Flow is a discreet lightweight catheter valve designed to offer patients flexibility of choice in urine drainage management.

100% tested - All EZ-Flow catheter valves are 100% tested to guarantee leak-free valves.

Patient Comfort - The outlet sleeve of the catheter valve is made of soft PVC that will not cause pressure marks or discomfort for the patient.

Secure Fitting - the ridged connector ensures a secure fit with the catheter.

00-0060	EZ-Flow Catheter Valve	5

Accessories

Bag Stand

The Flexicare Bag Stand is tough, durable and designed to hold any 2L bag. The metal stand is plastic coated making it easy to clean and ensuring that there are no sharp edges.

Easy Clean Coating

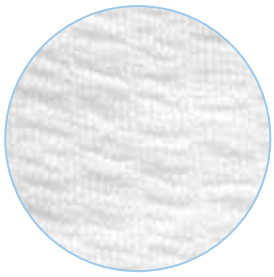
Stable Base

00-0022	Bedside Bag Stand	50

flexiSleeve

FlexiSleeve is a knitted leg bag holder to replace leg straps. FlexiSleeve offers more comfort to the bag wearer by distributing the weight of the bag evenly around the leg or thigh. This helps to reduce the risk of pressure sores occurring and dampen the noise of the fluid in the bag.

Increased Comfort



Knitted Weave

00-0035	Small size leg bag holder	3
00-0036	Medium size leg bag holder	3
00-0037	Large size leg bag holder	3
00-0038	Extra-large size leg bag holder	3

Leg Straps

Flexicare leg straps are made of Lycra which keeps its elasticity over the strap's lifetime. The leg straps feature an anti-slip silicone wave which grips the leg and ensures a secure and comfortable fit.

Anti-Slip Silicone Wave

Secure Fastening

00-0032C	Lycra anti-slip leg straps	10
00-0032	Lycra anti-slip leg straps	100

Home Packs

Flexicare offers home packs to patients leaving hospital and returning home. Several different home packs are available to suit different patient requirements, ensuring that patients have all the items they need during their first week away from hospital.

All home packs include a user booklet, written by a Continence Advisor, designed specifically for patients to ensure they use the products correctly as well as emphasising the importance of hygiene. The booklet also answers the most frequently asked questions, thus helping the patient in adapting to using continence products.

Accessories

Along with a selection of urine bags, Flexicare home packs also contain the following accessories:
1 x Pair of anti-slip latex-free lycra velcro leg straps, 1 x FlexiHang 2 litre bag hanger, 1 x User booklet and 1 x Prescription card, with details of all products available and prescription order numbers

Non Drainable Night Bag Home Packs

00-0042	4 x F2 and 1 x 500ml short tube leg bag - continence care home pack	1
00-0047	2 x F2S and 1 x 500ml short tube leg bag - continence care home pack	1
00-0048	2 x F2S and 1 x 500ml long tube leg bag - continence care home pack	1

Drainable Night Bag Home Packs

00-0045	2 x F4L and 1 x 500ml short tube leg bag - continence care home pack	1
00-0046	2 x F4L and 1 x 500ml long tube leg bag - continence care home pack	1

Combination Home Packs

00-0040	1 x F4, 1 x F2 and 1 x 500ml short tube leg bag - continence care home pack	1

OSTOMY

Coloset Closed and Drainable Bags and Flanges

Flexicare offer closed and drainable bags, both are available in either one or two piece, with a choice of skin friendly backing.

Coloset Features 138

Coloset One Piece Range

Coloset Closed - One Piece Bag 139

Coloset Drainable - One Piece Bag 139

Ostomy Two Piece Range

Flanges 141

Coloset Closed - Two Piece Bag 141

Coloset Drainable - Two Piece Bag 141

Ostomy Care

Flexicare have developed a wide range of ostomy care products to meet the different needs of patients for both colostomy or ileostomy, providing choice and flexibility that allows patients to maintain their normal social lifestyles.

Skin Protection

- The Hydrocolloid flange is easy to adhere to the skin and also easy to remove without any adhesive residual being left on the skin.
- The hydrocolloid layer has been formulated to prevent skin damage and encourage healing in the peristomal skin, directing excess water and moisture away from the area to prevent the risk of skin whitening and softening.

Filtration

- The integral charcoal filter absorbs and neutralises naturally occurring odours, allowing gas to be expelled from the bag without notice to the user or others.
- Air can freely move in both directions to prevent the bag from ballooning but also aids in allowing the bag to fill correctly from the stoma.

Security

- Snap Fit
- Designed to provide a tight seal, the rounded diamond shape creates a uniform adhesion to the abdomen, reducing the risk of leakage and provides maximum comfort.

Ostomy Accessory Range

- Ostomy Care Paste
  Creates a secure seal to make your Ostomy bag sit more securely to the stoma.
- Ostomy Belt
  Provides extra security and comfort, holding your Ostomy closer to the body.

Comfort and Choice

- Non Woven Backing
  Skin-friendly fabric reduces perspiration and skin irritation. Strong and durable whilst also soft against the skin.
- Comfort Net Backing
  Lightweight and breathable, comfort net is gentle on the skin and moves with the body to prevent irritation.

Coloset Closed and Drainable - One Piece Range

Coloset Closed and Drainable ranges are lightweight one piece bags that are designed to be comfortable and ultra-discreet with a slim line profile.

Coloset Closed Range	Clear Film	Opaque Film
Coloset Closed One Piece bag with comfort net backing & filter	00-911-110	00-912-110
Coloset Closed One Piece bag with non woven backing & filter	00-911-210	00-912-210

Supplied in packs of 30

Coloset Drainable Range	Clear Film	Opaque Film
Coloset Drainable Two Piece bag with comfort net backing & filter	00-931-110	00-932-110
Coloset Drainable Two Piece bag with non woven backing & filter	00-931-210	00-932-210

Supplied in packs of 30

Lock-in System
Two piece closed colostomy bag which has a lock-in system with three easy-grip tabs making bag changes easy at any angle. The bags are designed to be used with Flexicares range of skin friendly hydrocolloid flanges.

Slim Line Profile
The slim line design allows for the bag to be worn with total discretion whilst maintaining maximum collection.

Soft Edges
The rounded bag shape is free of any sharp angles which could cause discomfort, allowing users to move freely without the risk of snagging on clothing or on the skin.

Easy Emptying
The wide emptying port helps to facilitate quick discharge of the contents when required, without fuss.

Security
Reassuring positive locking system provides confidence in having a leak free seal.

Clip
Our safe and secure fastener provides piece of mind.

Quick and easy application
Printed with a sizing indicator and cutting guide markings. The free measuring card should be used to decide on the size to cut for a close and comfortable fit around the stoma.

Secure and comfortable bond
Our flanges have a large, diamond-shaped wafer which ensures a safe and secure fit providing peace of mind for the user. The soft and flexible material conforms to the shape of the body enabling it to withstand even the most vigorous activity.

Coloset® Closed

Comfort net backing

	32mm	38mm	45mm	57mm	70mm	75mm
Coloset Closed Two Piece with clear film, comfort net backing and filter	00-921-132	00-921-138	00-921-145	00-921-157	00-921-170	00-921-175
Coloset Closed Two Piece with opaque film, comfort net backing and filter	00-922-132	00-922-138	00-922-145	00-922-157	00-922-170	00-922-175

Non Woven Backing

	32mm	38mm	45mm	57mm	70mm	75mm
Coloset Closed Two Piece with clear film, non woven backing and filter	00-921-232	00-921-238	00-921-245	00-921-257	00-921-270	00-921-275
Coloset Closed Two Piece with opaque film, non woven backing and filter	00-922-232	00-922-238	00-922-245	00-922-257	00-922-270	00-922-275

Supplied in packs of 30

Coloset® Drainable

Comfort net backing

	32mm	38mm	45mm	57mm	70mm	75mm
Coloset Drainable Two Piece with clear film, comfort net backing and filter	00-931-132	00-931-138	00-931-145	00-931-157	00-931-170	00-931-175
Coloset Drainable Two Piece with opaque film, comfort net backing and filter	00-932-132	00-932-138	00-932-145	00-932-157	00-932-170	00-932-175

Non Woven Backing

	32mm	38mm	45mm	57mm	70mm	75mm
Coloset Drainable Two Piece with clear film, non woven backing and filter	00-931-232	00-931-238	00-931-245	00-931-257	00-931-270	00-931-275
Coloset Drainable Two Piece with opaque film, non woven backing and filter	00-932-232	00-932-238	00-932-245	00-932-257	00-932-270	00-932-275

Supplied in packs of 30

Flange Range

Flanges are available in various sizes to help the patient to choose the closet fitting size ostomy flange. The range has been developed so that they are completely compatible with either Coloset closed or drainable ranges.

Supplied in packs of 5

Ostomy Flange

	32mm	38mm	45mm	57mm	70mm	75mm
Ostomy Flange	00-920-032	00-920-038	00-920-045	00-920-057	00-920-070	00-920-075

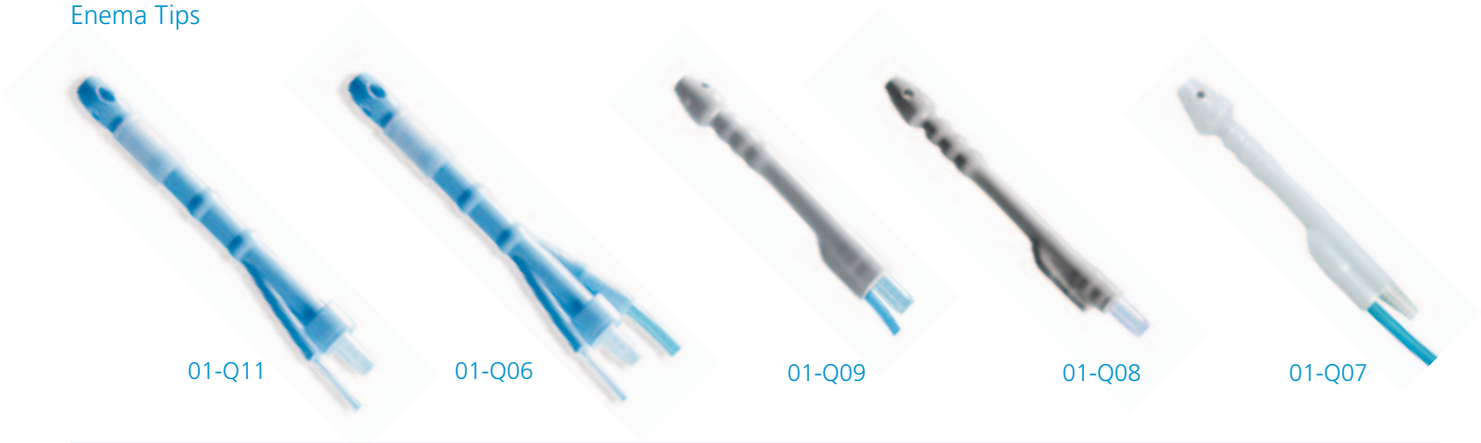
Accessories

00-900-010	Stoma Care Belt with adjustable strap	1
00-900-010LX	Large Stoma Care Belt with adjustable strap	1
00-900-020	Stoma Care Paste 60g	1

Epi˜ex - Enema Range

Epiflex barium enema range includes tips, bags and accessories providing clinicians with maximum choice. There is a wide range of enema tips with a choice of cuffed or uncuffed depending on the procedure required.

Enema Tips



01-Q11 01-Q06 01-Q09 01-Q08 01-Q07

01-Q11	Cuffed Enema Tip With Air Line and Non-Return Valve	10
01-Q06	Cuffed Enema Tip	10
01-Q09	Standard Enema Tip With Air Line and Non-Return Valve	10
01-Q08	Standard Enema Tip	10
01-Q07	Extra Large Enema Tip With Air Line and Non-Return Valve	10

Enema Bag

01-Q12	Enema Bag	10

Enema Accessories

01-Q15

01-Q14

01-Q15	Single Shot Cuff Indicator	10
01-Q14	Blue Air Puffer	10

Our commitment to is to provide comprehensive advice, dedicated support and a thorough understanding of our product portfolio.

dedicated to
supporting
your every need

Our Team

The strength of any company is built on the people it employs, and Flexicare has a dedicated team who have years of combined experience to ensure that we fulfill our promise of delivering Quality, Service and Value.

Customer Care

We want to make the whole process for the customers as easy as possible. Dealing with one person who will be able to discuss pricing, product enquiries or logistics, gives customers peace of mind.

Quality Assurance

Flexicare are able to provide a complete product from start to finish, with quality assurance checks throughout the process, providing confidence for our end users.

Online Support

Our new website has been designed so that it works in harmony with our catalogue and is updated regularly to provide up to date information on our product range and new developments, providing you with the most user friendly experience, ensuring that you can find what you want quickly and easily. We are also developing new specialist content for our websites such as training videos and downloadable product specific literature.

www.flexicare.com www.halllock.com

Not all products are available in all countries at time of going to print. Please call our customer services department for more information.

flexicare®
TOTAL QUALITY - TOTAL CARE

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